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WATER AND GAS WORKS GOODS

L. WOLFF MFG. CO.

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WATER AND GAS WORKS GOODS

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L. WOLFF MANUFACTURING CO.

(Established 1855)

.... MANUFACTURERS OF ....

PLUMBING GOODS

OF EVERY DESCRIPTION

GENERAL OFFICES, 93 WEST LAKE STREET

... FACTORIES ...

93-117 West Lake Street 733-741 Fulton Street 754-776 Fulton Street
794-852 Carroll Avenue 825-861 Carroll Avenue
Show Rooms, 91 Dearborn Street

DENVER, COL.
1533-1537 Blake Street

CHICAGO

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INDEX

PAGE

Alcohol Cocks....18

Blast Furnace....58
Brass Cesspools....53-54
Bibbs, Ground....1
Bibbs, Compression....19-22
Bibbs, Compression—Extra Pattern....22
Bibbs, Fuller....24
Bibbs, Self-Closing....25-27
Boston Self-Closing Work....27
Brass Fittings....30-31
Bases for Valve Boxes....41
Blow Pipe....57

Cesspool Plates....52
Cesspools, Hydrant....51
Cesspools....51-54
Cross Bar, Stop and Waste....2-4
Curb Cocks....11-12
Corporation Stops....15
Compression Work....19-23
Couplings....29
Couplings, Hose....34

Drip Boxes....41
Doherty Self-Closing Work....26

Extra Pattern Bibbs....22
Extension for Roadway Box....43
Expansion Joints....29

Floor Drain with Trap....54
Fuller Bibbs....24
Fuller Hose Pipes....32

PAGE

Furnaces, Wolff's....58
Furnace Repairs....59

Gielow Work....25
Gas Drip Box....41

Hydrant Cocks....13
Hose Valves....14
Hose Pipes, Fuller....32
Hose Pipes....32-33
Hose Couplings....34
Hose Clamps....35
Hose Splice....35
Hose Reducer....35
Hose Increaser....35
Hose Caps....35
Hose Bibb End....35
Hose Strap....35
Hose Strap Fastener....35
Hydrant Fittings....36
Hydrant Clamps....36
Hydrant Nozzles....36-37
Hydrant Repairs....47-48
Hydrants, Wall....44
Hydrants, Valve....45
Hydrant Cesspools....51

Loose Key Bibbs....19
Loose Key Stops....20

Meter Cocks....18
Meter Box....41
Mueller's Pressure Regulator....55

INDEX—CONTINUED

PAGE

Nipples, Soldering 28

Peerless Stop Cock Box 38

Rain and Well, Water Cocks 14
Repairs, Hydrant 47–48
Roadway Boxes 43–44
Repairs, Street Washer 48–49
Repairs, Stop Cock Box 50
Repairs, Furnace 59

Strainers Round Bar 52
Stops, Ground, Cross Bar 2–4
Stops, Ground, Key 5–10
Stops, Minneapolis Pattern 10
Stops, Corporation 15
Steam Cocks 18
Stops, Compression 20
Sill Cocks 21
Stops, Extra Pattern 22–23
Self-Closing Work 25–27
Soldering Nipples 28
Soldering Unions 28
Street Washer Screws 37
Street Washer Guide and Check 37
Street Washer Key 37

PAGE

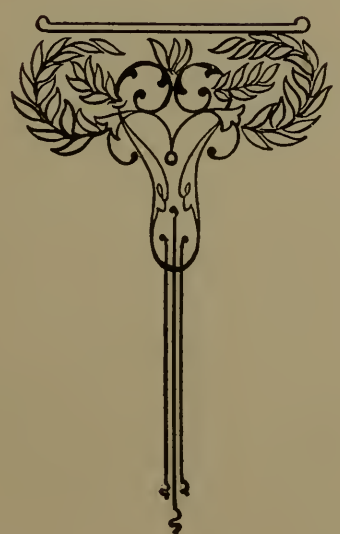
Stop Cock Boxes 38–40
Street Washers, Wolff 46
Street Washers 45
Street Washer Repairs 48–49
Stop Cock Box Repairs 50
Sewer Traps 52

Torch, Improved 57
Tools 56
Trap, Cellar 54
Traps, Sewer 52
Thawing Steamer 57

Unions, Soldering .....

Valves, Hose 14
Valves, Globe and Angle 16
Valves, Check 17
Valve Boxes, Bases for 41
Valve Boxes 42

Wall Hydrant 44
Wolff's Street Washer 46
Willetts Cesspool 51
Water Pressure Regulator 55
Wrenches 56



TELEGRAPHIC CODE.

FOR CORRESPONDENCE.

QUESTIONS.

Vacancy.—How soon can you furnish ——?
Vacated.—At what price, and how soon can you furnish ——?
Vacation.—Can you furnish from stock? if not, how long would it take?
Vacilate.—How long will it take you to make ——?
Vacuity.—Have you in stock? if not all, how many?
Vagabond.—How many —— have you in stock?
Vagarious.—Have you in stock ——?
Vagary.—How many—— can we depend upon?
Vagrancy.—Can you furnish us promptly ——?
Vainglory.—Can you ship at once ——?
Vainness.—When will you ship our order?
Valance.—When can you ship any part of our order?
Valedicted.—When will you complete our order?
Valentine.—We are waiting for the —— ; shall we ship balance without them?
Valiantly.—Shall we enter order?
Validation.—Can we substitute?
Validity.—Have you sent prices as requested in our letter of the ——? Answer.

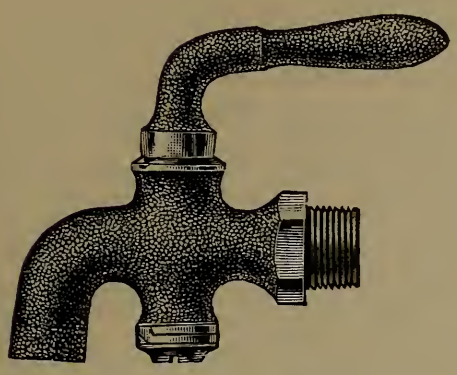
ANSWERS.

Wabble.—We can furnish ——.
Wabbling—We have in stock.
Wachfeuer.—We have none in stock.
Wadded.—We have all in stock and can ship at once.
Wadding.—We have all in stock and will ship at once.
Wadhook.—We have the largest part in stock.
Wadsett.—We have no —— in stock.
Waeldchen.—We have —— in stock.
Waffner.—We can ship part from stock and balance in ——.
Wafers.—It will take us about —— to make.
Waftage.—Will ship at once.
Wafting.—Will ship in —— days.
Wafture.—We can ship immediately on receipt of order.
Wag.—We cannot furnish these goods at the time named.
Wagegela.—Will ship earlier if possible.
Wagerer.—We have no order.
Wagering.—We have already shipped your order of ——.
Wagging.—Too late to make alteration now.
Waggish.—Have changed order referred to and will ship.
Waggoner.—Will forward specifications by mail at once.
Wagtail.—We have sent price by mail.

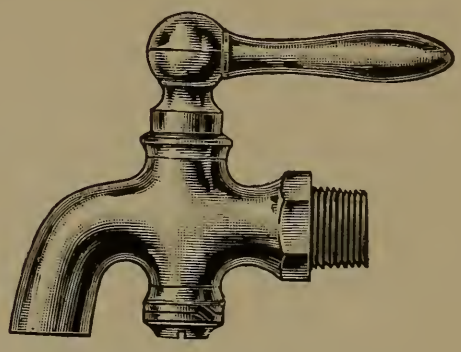
INSTRUCTIONS.

Uberous.—Ship by rail.
Ubication.—Ship by boat.
Ubiquitous.—Ship by express.
Unbraid.—One barrel.
Udder.—If you cannot ship at once ——.
Ugliness.—Ship what you have ready and let balance follow.
Ugly.—If you cannot ship by the time named, advise us by telegraph.
Ulcer.—Start tracer after.
Ulcerate.—Wanted badly; when will you ship? Answer by telegraph.
Ulceration.—Please send shipping instructions.
Ulterior.—Please answer our letter (or telegram) of ——.
Ultimatum.—Telegraph tomorrow early.
Ultimity.—Ship the whole order in one lot.
Ultraist.—Shipping instructions by mail.
Umbellate.—Rush shipment of ——.
Umbilical.—Telegram received too late to stop shipment.
Umbonate.— Ship at once, any portion of order.
Umbrage.—Your order was shipped.
Umbrageous.—We are holding order for the——
Umbratic.—Freight rate in carloads, per 100 lbs.
Umpirage.—Freight rate in less than carloads, per 100 lbs.
Unaccorded.—Free on board.
Unadored.—Will hold offer open.
Unailing.—If you cannot ship by the time named, advise us by wire.
Unalist.—Prices have advanced.
Unalloyed.—See our letter of ——.
Unanimity.—Send immediately duplicate of order of ——.
Unapt.—Ship earliest date possible and wire what date it will be.
Unawares.—Don't understand order ——; give better particulars.
Unbaked.—Forward specifications; we require them to get out material promptly.
Unbar.—Must have sketch showing exact locations of ——.
Unbecoming.—Your letter received, but enclosure mentioned missing.
Unbeliever.—On your order of ——.
Unbending.—F. O. B. Chicago.
Unbend.—F. O. B. Denver.
Unbolted.—Carload lots.
Unboned.—Less than carload lots.
Unbound.—Must have at once.
Uncamp.—Ship by express one dozen.
Undaunt.—Ship by rail one gross.

GROUND BIBBS FOR IRON PIPE.

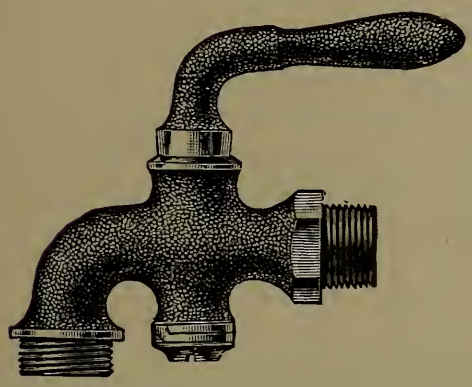


WITH SHOULDER.

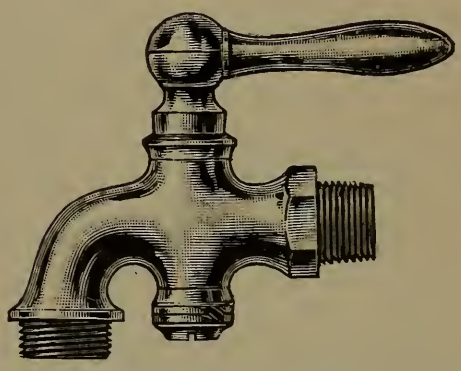


F-7.—(WITH CAST HANDLE.) **F-8.**—(WITH BALL HANDLE.)

		¼	⅜	½	⅝	¾	1	1¼	1½	2-in.
F-7.	Rough, per doz....	$11.00	13.00	16.00	18.00	23.00	35.00	56.00	78.00	160.00
F-7.	Finished, "	12.00	14.00	17.00	20.00	26.00	39.00	64.00	90.00	180.00
F-8.	" "	15.00	17.00	19.00	22.00	28.00	42.00	.....	.....	.....
F-8.	N. P., "	17.00	19.00	21.50	24.50	30.50	45.00	.....	.....	.....

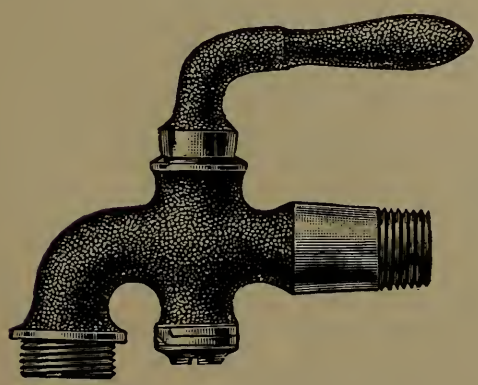


WITH SHOULDER.

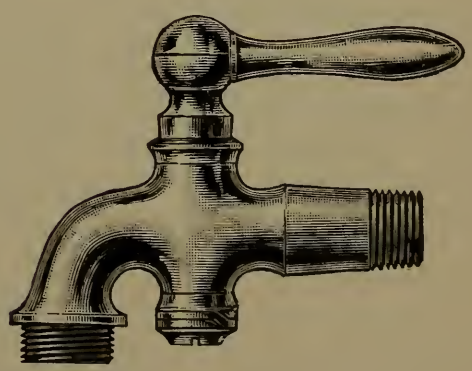


F-9.—(WITH CAST HANDLE FOR HOSE.) **F-10.**—(WITH BALL HANDLE FOR HOSE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-9.	Rough, per doz.....	$18.00	20.00	25.00	38.00	60.00	84.00	170.00
F-9.	Finished, "	19.00	22.00	28.00	42.00	68.00	96.00	190.00
F-10.	With ball handle, finished, per doz.	21.00	24.00	30.00	45.00	.....	.....	.....
F-10.	" " N. P., "	23.50	26.50	32.50	48.00	.....	.....	.....



WITHOUT SHOULDER.

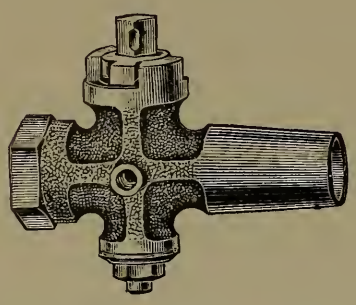


F-11.—(WITH CAST HANDLE FOR HOSE.) **F-12.**—(WITH BALL HANDLE FOR HOSE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-11.	Rough, per doz	$18.00	20.00	25.00	38.00	60.00	84.00	170.00
F-11.	Finished, "	19.00	22.00	28.00	42.00	68.00	96.00	190.00
F-12.	" "	21.00	24.00	30.00	45.00	.....	.....	.....
F-12.	N. P., "	23.50	26.50	32.50	48.00	.....	.....	.....

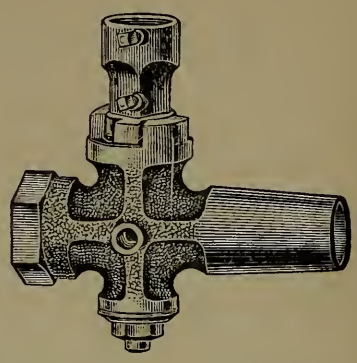
Any of the above Bibbs can be furnished up to 2-in.

WOLFF'S CROSS-BAR STOP AND WASTE.



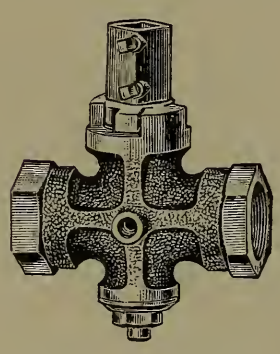
F-23.—(WITHOUT HANDLE.)

FOR LEAD AND IRON PIPE.



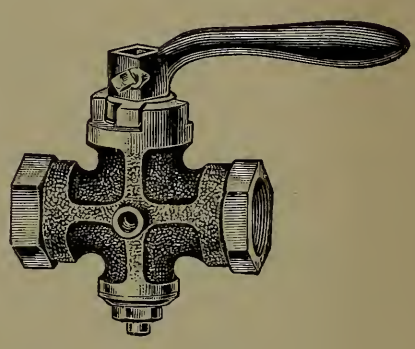
F-24.—(THREADED HANDLE.)

		½	⅝	¾	1-in.
F-23.	Rough Stop and Waste, for lead and iron, per doz....	$17.00	20.00	24.00	35.00
F-24.	" " " " " "	17.00	20.00	24.00	35.00
	Deduct for Rough Stops of above styles, "	2.00	2.00	2.00	3.00



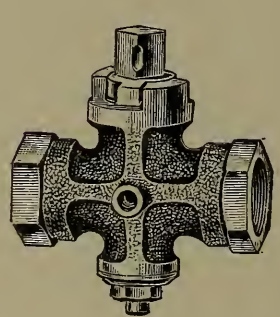
F-25.—(SOCKET HANDLE.)

FOR IRON PIPE.



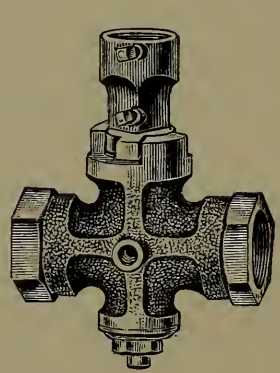
F-26.—(LEVER HANDLE.)

		½	⅝	¾	1-in.
F-25.	Rough Stop and Waste, for iron pipe, per doz.....	$18.00	21.50	25.50	37.00
F-26.	" " " " "	18.00	21.50	25.50	37.00
	Deduct for Rough Stops of above styles, "	2.00	2.00	2.00	3.00



F-27.—(WITHOUT HANDLE.)

FOR IRON PIPE.



F-28.—(THREADED HANDLE.)

		½	⅝	¾	1-in.
F-27.	Rough Stop and Waste, for iron pipe, per doz.....	$18.00	21.50	25.50	37.00
F-28.	" " " " "	18.00	21.50	25.50	37.00
	Deduct for Rough Stops of above styles, "	2.00	2.00	2.00	3.00

See page 6, for description and styles of handles.

WHEN ORDERING, GIVE CATALOGUE NAME AND NUMBER.

NOTE.— Orders will be shipped with handles as shown in figures referred to.

WOLFF'S CROSS-BAR STOPS AND STOP AND WASTE.

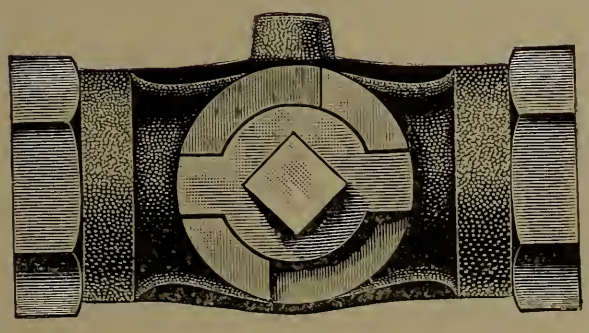
F-29.
LEVER HANDLE.

F-30.
SQUARE SOCKET

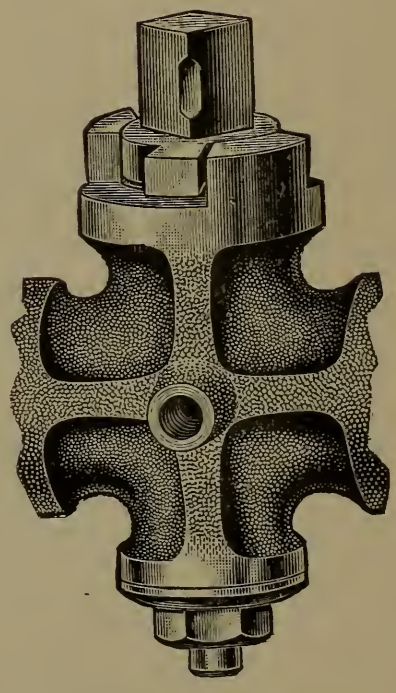
F-31.
GAS PIPE SOCKET.

F-32.
GAS PIPE COUPLING

		½	⅝	¾	1-in.
F-29.	Extra Handles, net per doz	$0.30	0.30	0.40	0.45
F-30.	" " " "	.30	.30	.40	.45
F-31.	" " " "	.45	.45	.55	.60
F-32.	Couplings, " "	.50	.50	.60	.70



F-33.—(SHOWING DOUBLE CHECK.)



F-34.—(SHOWING CROSS-BAR.)

Our Cross-Bar Stops and Stop and Wastes have Double Check, and are **reversible;** by reversing position of handle and check-plate and turning plug they are easily **changed from right to left,** or vice versa.

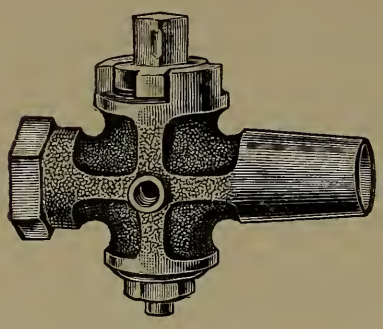
All handles are interchangeable; Socket, Lever Handle, Tee Handle or Gas Pipe connection can be used; any of these can be furnished separately to keep in stock for changing.

The "Cross-Bars" and Double Check (see sectional cut above) **give great additional strength.**

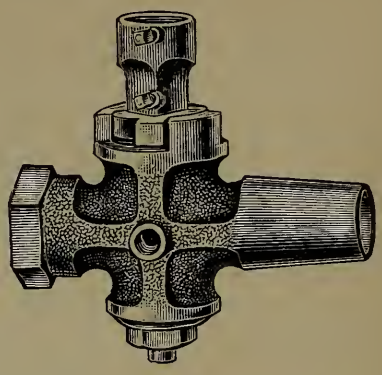
WHEN ORDERING OR SPECIFYING, PLEASE GIVE CATALOGUE NAME AND NUMBER.

NOTE.—Orders will be shipped with handles as shown in figures referred to.

WOLFF'S ROUND-WAY CROSS-BAR STOP AND WASTE.

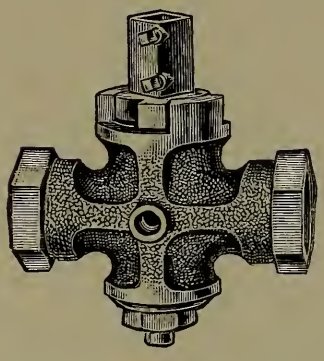


FOR LEAD AND IRON PIPE.

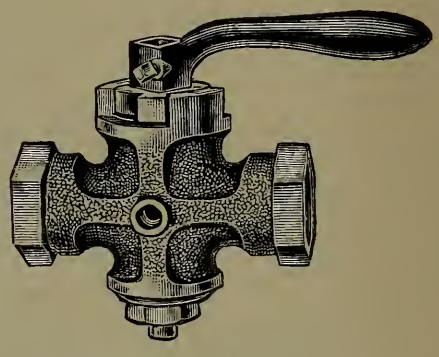


F-41.—(WITHOUT HANDLES.) **F-42.**—(THREADED HANDLES.)

		½	⅝	¾	1-in.
F-41.	Round-Way Stop and Waste, rough, per doz.....	$21.00	25.00	30.00	51.00
F-42.	" " " " "	21.00	25.00	30.00	51.00
	Deduct for Rough Stops of above styles, per doz.... .	2.00	2.00	2.00	3.00

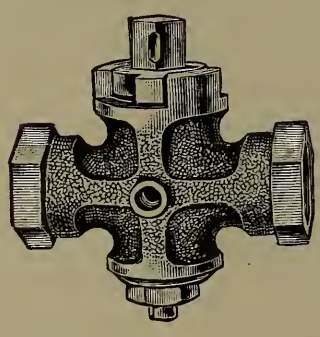


FOR IRON PIPE.

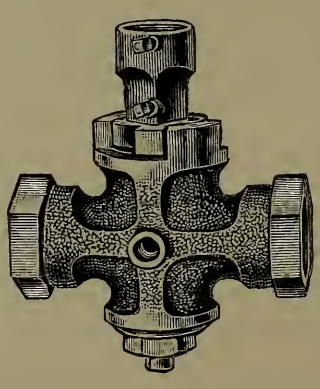


F-43.—(SOCKET HANDLE.) **F-44.**—(LEVER HANDLE.)

		½	⅝	¾	1-in.
F-43.	Round-Way Stop and Waste, rough, per doz	$22.00	26.50	31.50	53.00
F-44.	" " " " "	22.00	26.50	31.50	53.00
	Deduct for Rough Stops of above styles, per doz.....	2.00	2.00	2.00	3.00



FOR IRON PIPE.



F-45.—(WITHOUT HANDLE.) **F-46.**—(THREADED HANDLE.)

		½	⅝	¾	1-in.
F-45.	Round-Way Stop and Waste, rough, per doz.....	$22.00	26.50	31.50	53.00
F-46.	" " " " "	22.00	26.50	31.50	53.00
	Deduct for Rough Stops of above styles, per doz.....	2.00	2.00	2.00	3.00

See page 6, for description and styles of handles.

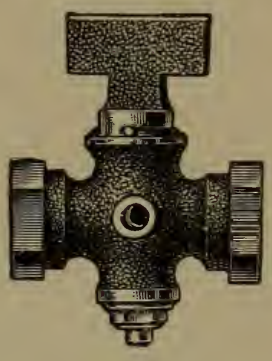
WHEN ORDERING, GIVE CATALOGUE NAME AND NUMBER.

NOTE:—Orders will be shipped with handles, as shown in figure referred to.

ROUGH STOP AND STOP AND WASTE FOR IRON PIPE.

F-79.

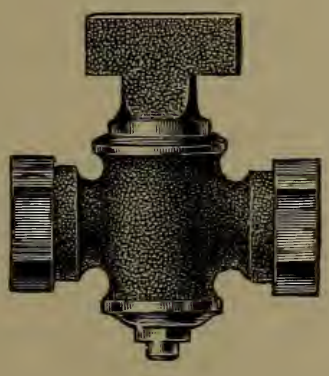
T-HANDLE, NUT AND WASHER.



F-80.

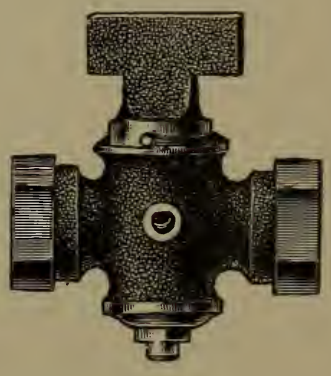
		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-79.	Stop, per doz.....	$13.00	15.00	18.00	22.00	32.00	51.00	71.00	120.00
F-80.	Stop and Waste, per doz.	15.00	17.00	20.00	24.00	35.00	55.00	77.00	130.00

F-79 and F-80 are also made in 2½, 3 and 4-inch.



F-81.

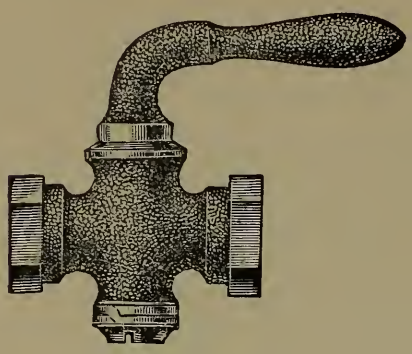
ROUND-WAY STOP AND STOP AND WASTE.



F-82.

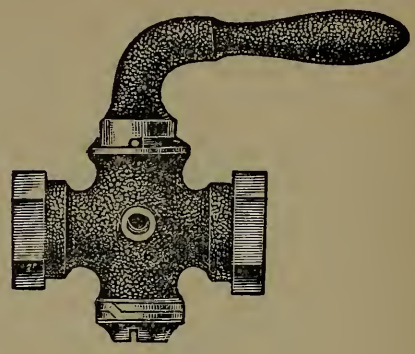
		½	⅝	¾	1	1¼	1½	2-in.
F-81.	Stop, per doz.....	$19.00	23.00	28.00	48.00	75.00	107.00	190.00
F-82.	Stop and Waste, per doz.....	21.00	25.00	30.00	51.00	79.00	113.00	200.00

LEVER-HANDLE STOP AND STOP AND WASTE FOR IRON PIPE.



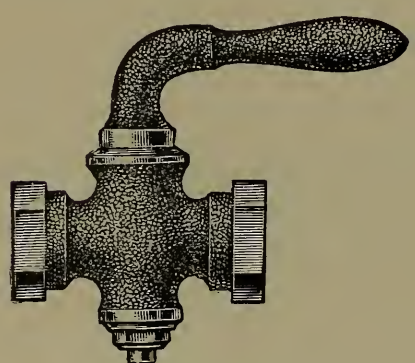
F-83.

SPRING BOTTOM.



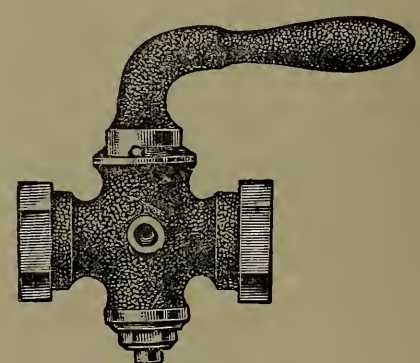
F-84.

		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-83.	Rough Stop, per doz	$14.00	16.00	19.50	23.50	34.00	53.50	74.50	125.00
F-83.	Finished " "	17.50	19.50	23.00	29.50	43.00	.....	. .	.....
F-84.	Rough Stop and Waste, per doz..	16.00	18.00	21.50	25.50	37.00	57.50	80.50	135.00
F-84.	Finished " " " ..	19.50	21.50	25.00	31.50	46.00	....	... .	.....



F-85.

NUT AND WASHER.

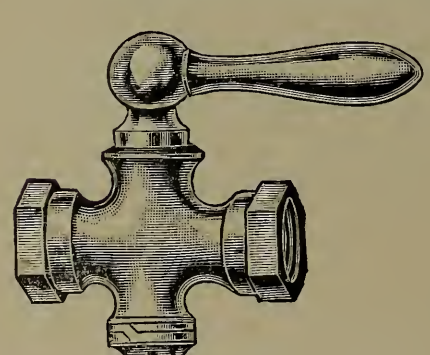


F-86.

		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-85.	Rough Stop, per doz	$14.00	16.00	19.50	23.50	34.00	53.50	74.50	125.00
F-85.	Finished " "	17.50	19.50	23.00	29.50	43.00	.....	.....	.....
F-86.	Rough Stop and Waste, per doz..	16.00	18.00	21.50	25.50	37.00	57.50	80.50	135.00
F-86.	Finished " " " ..	19.50	21.50	25.00	31.50	46.00	... .	.....	.....

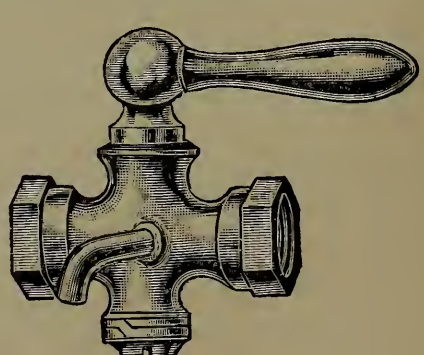
F-85 and F-86 are also made in 2½, 3 and 4-inch.

BALL-HANDLE STOP AND STOP AND WASTE.



F-87.

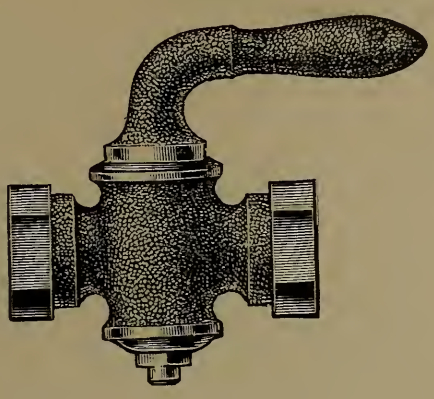
SPRING BOTTOM.



F-88.

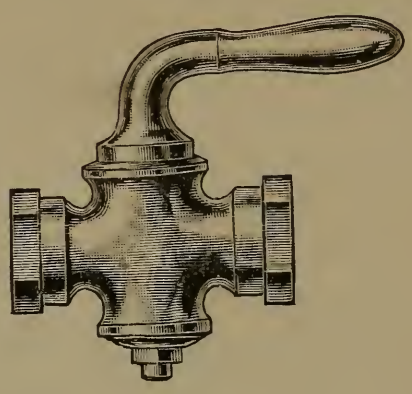
		⅜	½	⅝	¾	1-in.
F-87.	Finished Stop, per doz	$20.50	21.50	25.00	31.50	46.00
F-87.	N. P. " "	22.50	24.00	27.50	34.00	49.00
F-88.	Finished Stop and Waste, per doz.....	22.50	23.50	27.00	33.50	49.00
F-88.	N. P. " " "	24.50	26.00	29.50	36.00	52.00

ROUND-WAY STOP—LEVER HANDLE.



F-89.

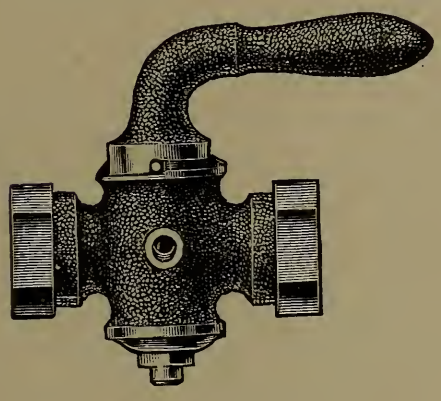
FOR IRON PIPE.



F-90.

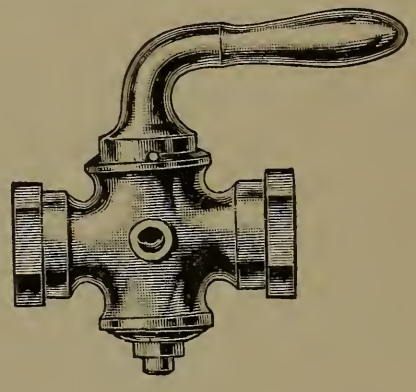
		½	⅝	¾	1	1¼	1½	2-in.
F-89.	Rough, per doz.....	$20.00	24.50	29.50	50.00	77.50	110.50	195.00
F-90.	Finished. "	25.00	29.50	37.50	63.00	.....	.....	.....
F-90.	Nickel Plated, per doz.....	29.00	33.50	42.50	68.50	.	.....	...

ROUND-WAY STOP AND WASTE—LEVER HANDLE.



F-91.

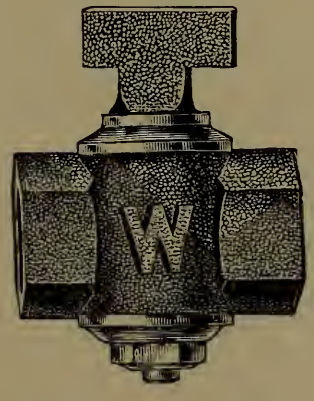
FOR IRON PIPE.



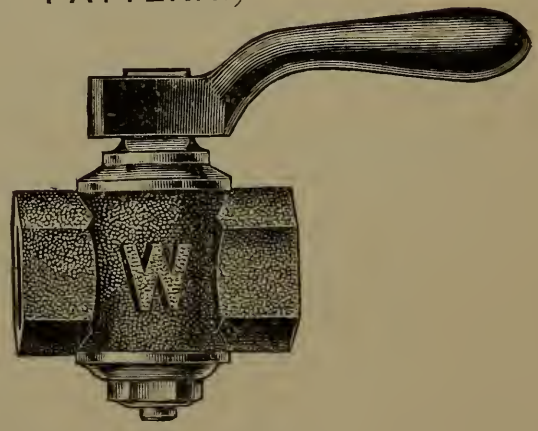
F-92.

		½	⅝	¾	1	1¼	1½	2-in.
F-91.	Rough Stop and Waste, per doz.	$22.00	26.50	31.50	53.00	81.50	116.50	205.00
F-92.	Finished " " " ..	27.50	32.00	40.50	67.50	.....	.....	.....
F-92.	Nickel Plated, per doz.....	32.00	36.50	46.50	74.00	.....	.....	.....

ROUND-WAY STOP ("W" PATTERN.)



F-93.—(T HANDLE.)

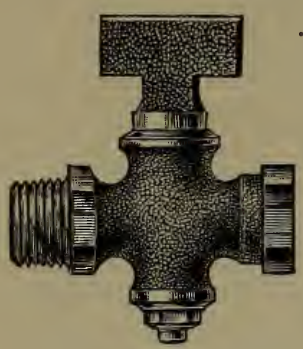


F-94.—(LEVER HANDLE.)

		½	⅝	¾	1-in.
F-93.	Rough Stop, per doz.....	$12.00	17.00	18.00	30.00
F-93.	" " and Waste, per doz.....	14.00	19.00	20.00	33.00
F-94.	" " L. H. per doz	13.00	18.50	19.50	32.00
F-94	" " and Waste, L. H., per doz.....	15.00	20.50	21.50	35.00

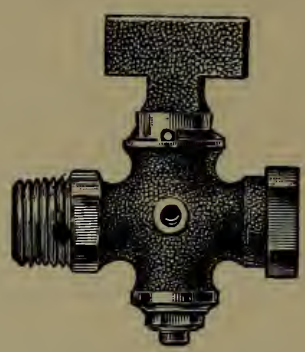
ROUGH STOP AND STOP AND WASTE.

INSIDE AND OUTSIDE THREAD FOR IRON PIPE, WITH SHOULDERS.



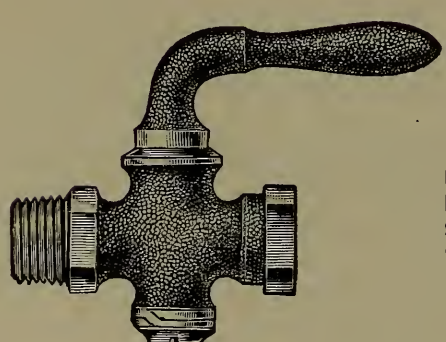
F-95.

T HANDLE, NUT AND WASHER.



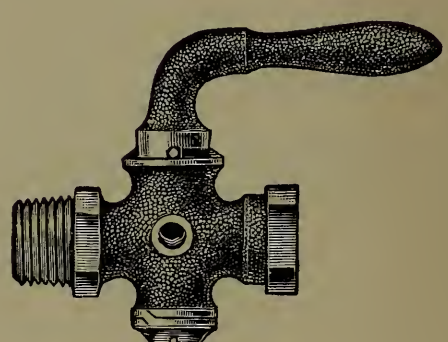
F-96.

		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-95.	Stop, per doz.....	$13.00	15.00	18.00	22.00	32.00	51.00	71.00	120.00
F-96.	Stop and Waste, per doz.....	15.00	17.00	20.00	24.00	35.00	55.00	77.00	130.00



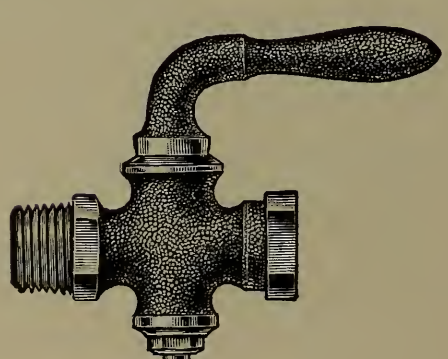
F-97.

LEVER HANDLE, SPRING BOTTOM.



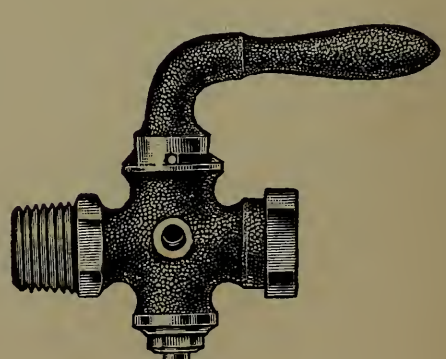
F-98.

		⅜	½	⅝	¾	1-in.
F-97.	Stop, per doz.....	$14.00	16.00	19.50	23.50	34.00
F-98.	Stop and Waste, per doz.....	16.00	18.00	21.50	25.50	37.00



F-99.

LEVER HANDLE, NUT AND WASHER.

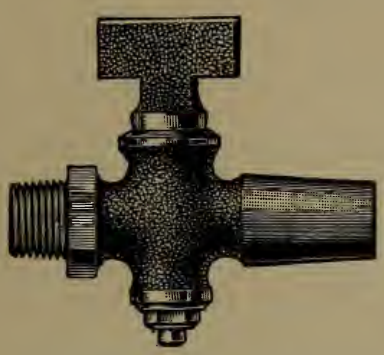


F-100.

		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-99.	Stop, per doz.....	$14.00	16.00	19.50	23.50	34.00	53.50	74.50	125.00
F-100.	Stop and Waste, per doz.....	16.00	18.00	21.50	25.50	37.00	57.50	80.50	135.00

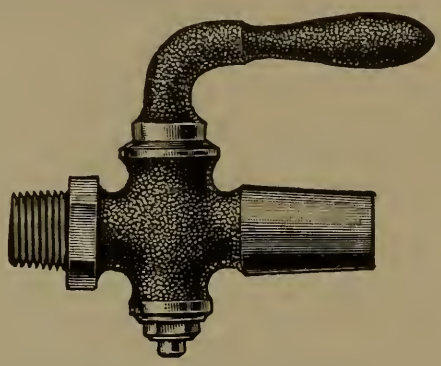
ROUGH STOP FOR LEAD AND IRON PIPE.

OUTSIDE SCREW WITH SHOULDER.



F-101.—(T HANDLE.)

NUT AND WASHER.

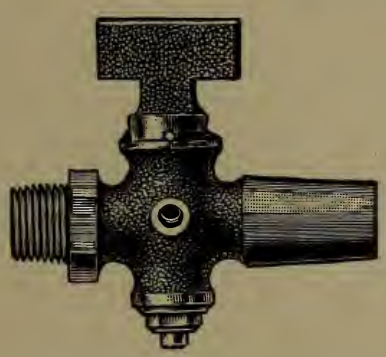


F-102.—(LEVER HANDLE.)

		⅜	½	⅝	¾	1-in.
F-101.	Rough Stop, per doz.....	$12.00	14.00	16.50	20.50	30.00
F-102.	" "	13.00	15.00	18.00	22.00	32.00

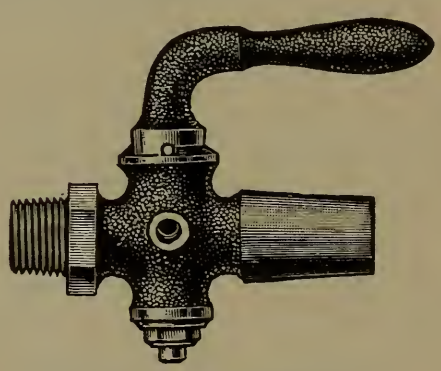
ROUGH STOP AND WASTE FOR LEAD AND IRON PIPE.

OUTSIDE SCREW WITH SHOULDER.



F-103.—(T HANDLE.)

NUT AND WASHER.

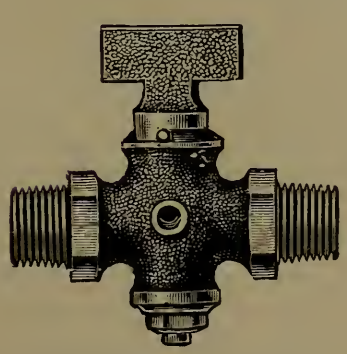


F-104.—(LEVER HANDLE.)

		⅜	½	⅝	¾	1-in.
F-103.	Rough Stop and Waste, per doz.....	$14.00	16.00	18.50	22.50	33.00
F-104.	" " "	15.00	17.00	20.00	24.00	35.00

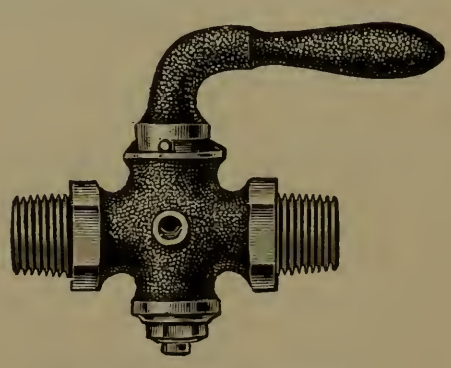
ROUGH STOP AND WASTE FOR IRON PIPE.

OUTSIDE SCREW WITH SHOULDERS.



F-105.—(T HANDLE.)

NUT AND WASHER

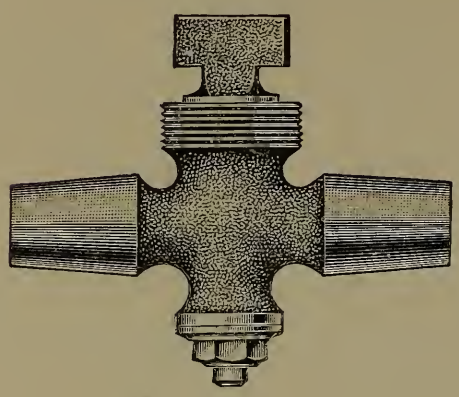


F-106.—(LEVER HANDLE.)

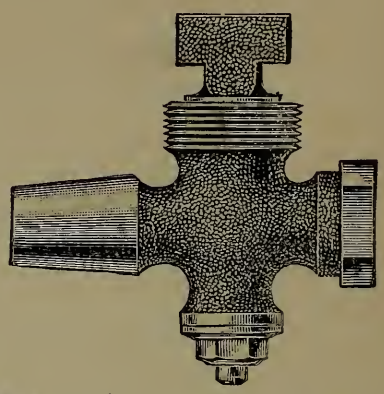
		⅜	½	⅝	¾	1-in.
F-105.	Rough Stop and Waste, per doz.....	$15.00	17.00	20.00	24.00	35.00
F-106.	" " "	16.00	18.00	21.50	25.50	37 00

All of above Cocks can be made up to 2-in.

ROUGH STOPS, "MINNEAPOLIS" PATTERN.

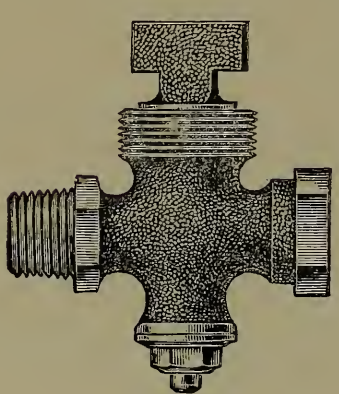


F-107.



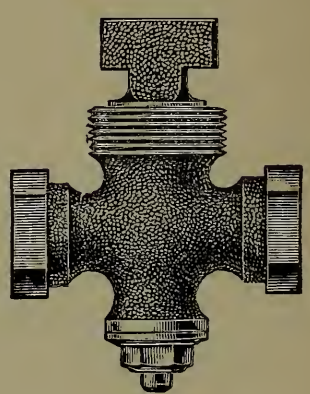
F-108.—(NUT AND WASHER.)

		½	⅝	¾	1-in.
F-107.	Nut and Washer Rough Stop, lead pipe, per doz	$15.50	19.00	22.50	33.00
F-108.	" " " " lead and iron pipe, per doz	16.50	20.00	24.00	35.00
	Add for Stop and Waste, per doz	2.00	2.00	2 00	3.00



F-109.

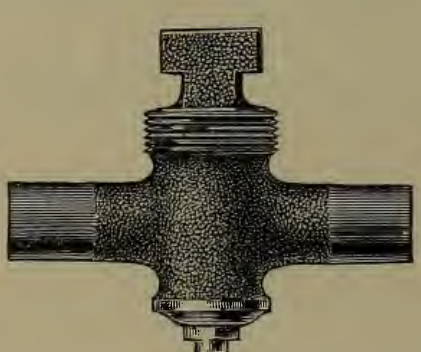
NUT AND WASHER, IRON PIPE.



F-110.

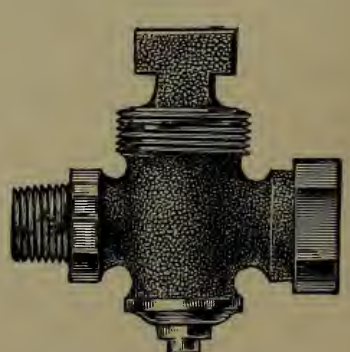
		½	¾	1-in.
F-109.	Rough Stop, iron pipe, per doz	$17.50	25.50	37.00
F-110.	" " "	17.50	25.50	37.00
	Add for Stop and Waste, "	2.00	2.00	3.00

ROUND-WAY ROUGH STOPS, "MINNEAPOLIS" PATTERN.



F-111.—(LEAD PIPE.)

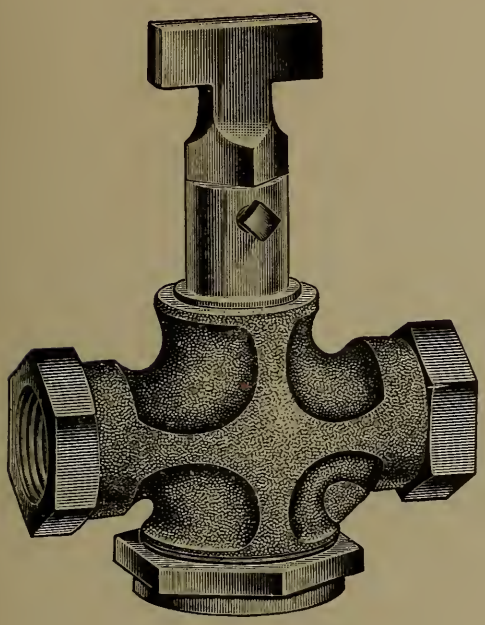
ROUND-WAY.



F-112.—(IRON PIPE.)

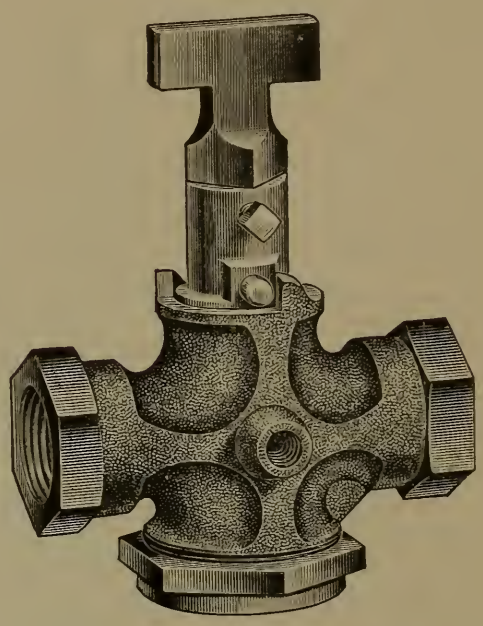
		½	⅝	¾	1-in.
F-111.	For lead pipe, per doz	$21.00	26.00	29.50	50.00
F-111.	" and iron pipe, per doz	22.00	27.50	31.00	52.00
F-112.	For iron pipe, per doz	23.00	29.00	32.50	54.00
	Add for Stop and Waste, per doz	2.00	2.00	2.00	3.00

WOLFF'S CROSS BAR, INVERTED KEY CURB COCK—ROUND WAY.



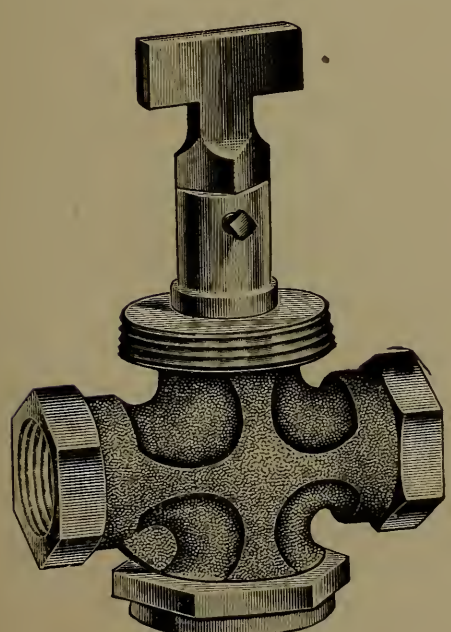
F-120.—(STOP.)

FOR IRON PIPE.



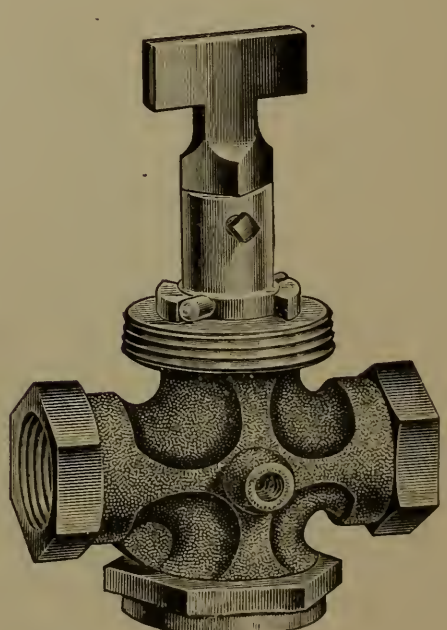
F-121.—(STOP AND WASTE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-120.	Stop, per doz	$24.00	29.00	35.50	61.00	96.00	137.00	244.00
F-121.	Stop and Waste, per doz	26.00	31.00	37.50	64.00	100.00	143.00	254.00



F-122.—(STOP.)

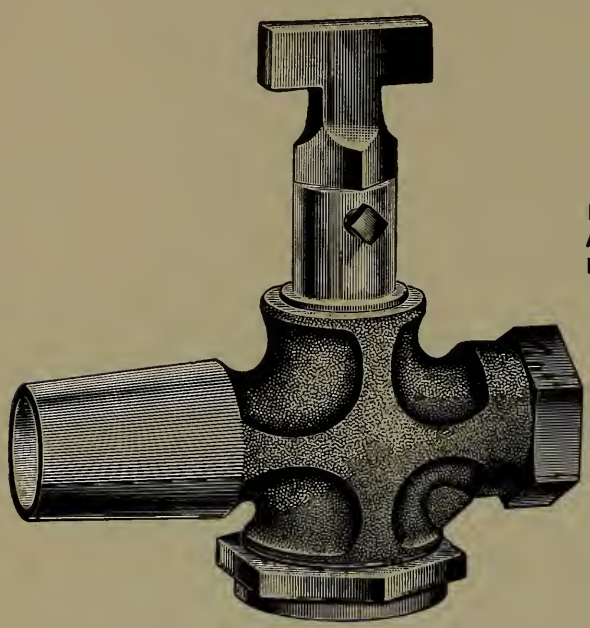
MINNEAPOLIS PATTERN.



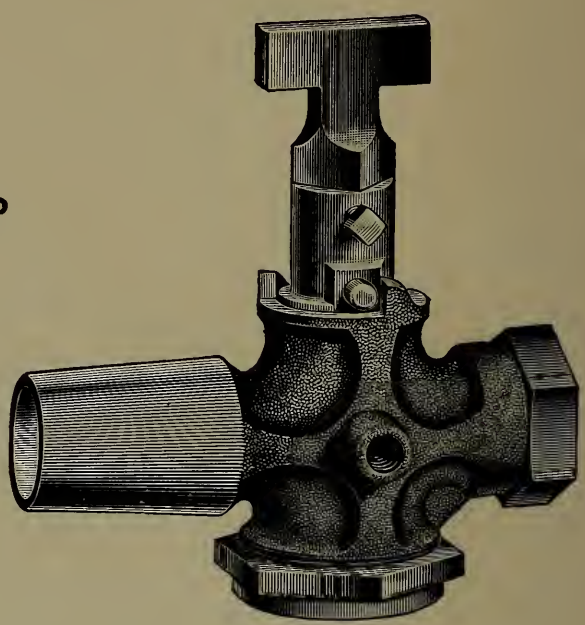
F-123.—(STOP AND WASTE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-122.	Stop, per doz	$30.00	35.50	42.50	68.50	110.00	159.00	279.00
F-123.	Stop and Waste, per doz	32.00	37.50	44.50	71.50	114.00	165.00	289.00

WOLFF'S CROSS BAR, INVERTED KEY CURB COCK—ROUND WAY.



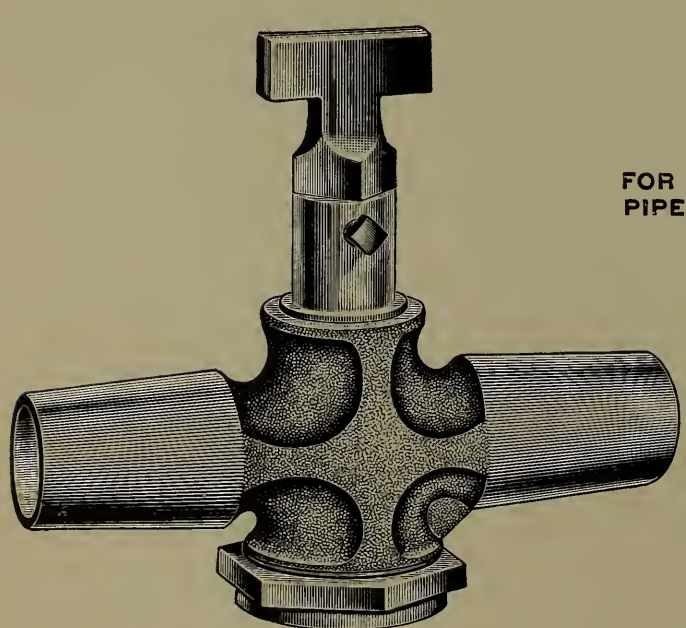
FOR LEAD AND IRON.



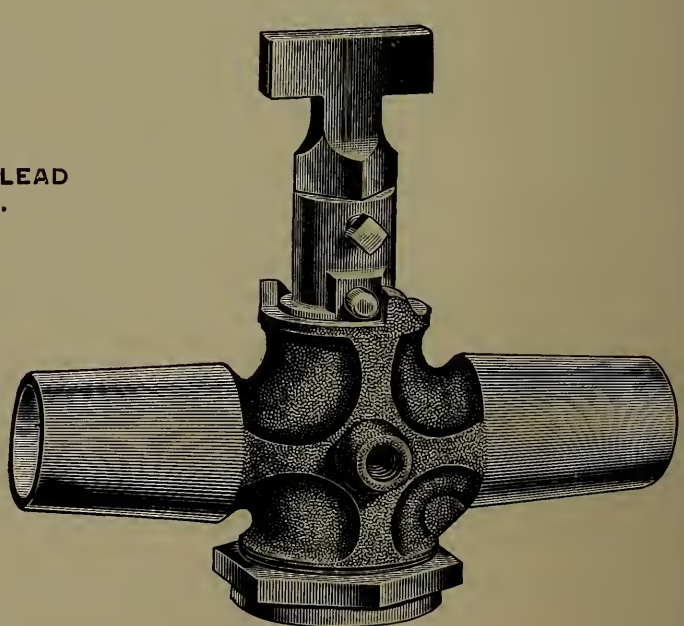
F-124.—(STOP.)

F-125.—(STOP AND WASTE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-124.	Stop, per doz.	$23.00	27.50	34.00	59.00	93.50	133.50	239.00
F-125.	Stop and Waste, per doz.	25.00	29.50	36.00	62.00	97.50	139.50	249.00



FOR LEAD PIPE.

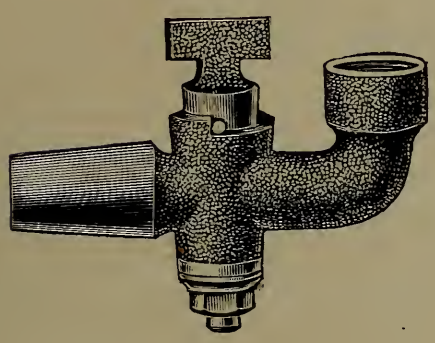


F-126.—(STOP.)

F-127.—(STOP AND WASTE.)

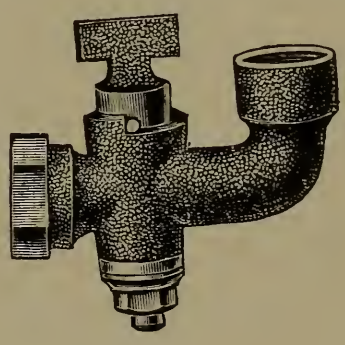
		½	⅝	¾	1	1¼	1½	2-in.
F-126.	Stop, per doz.	$22.00	26.00	32.50	57.00	91.00	130.00	234.00
F-127.	Stop and Waste, per doz.	24.00	28.00	34.50	60.00	95.00	136.00	244.00

HYDRANT COCKS.



F-130.

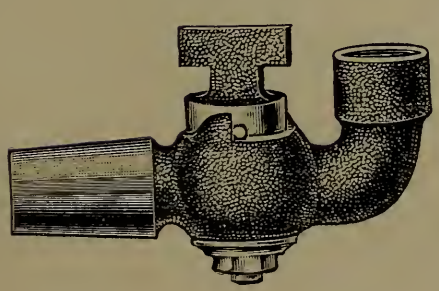
STRAIGHT WAY, NUT AND WASHER.



F-131.

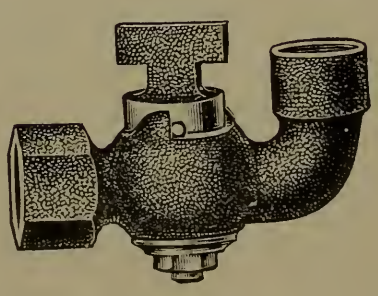
		½	⅝	¾	1	1¼-in.
F-130.	For lead and iron pipe, rough, per doz.....	$20.00	23.50	28.00	39.50	61.50
F-131.	For iron pipe, rough, "	21.00	25.00	29.50	41.50	64.00

ROUND-WAY HYDRANT COCKS.



F-132.

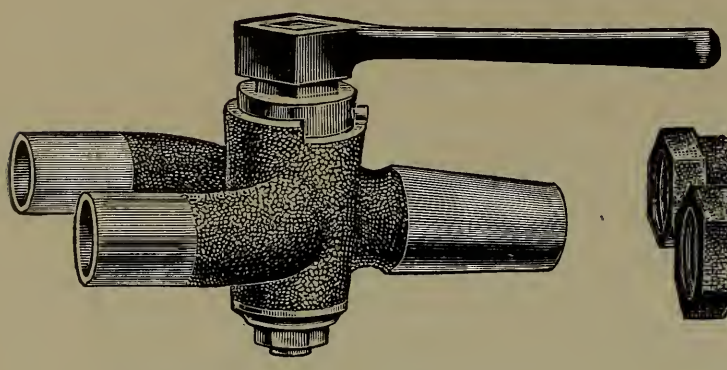
NUT AND WASHER.



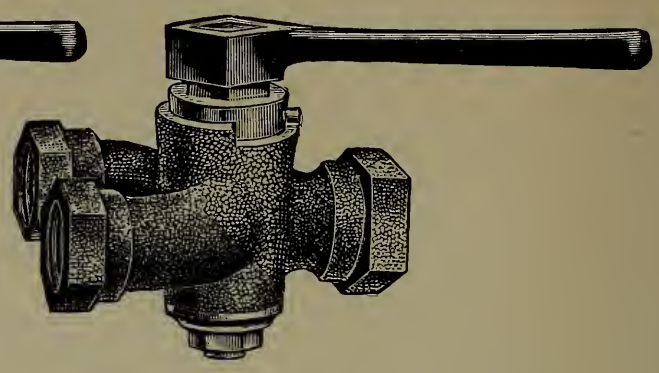
F-133.

		½	⅝	¾	1	1¼-in.
F-132.	For lead and iron pipe, per doz.....	$24.00	28.50	34.00	55.50	85.50
F-133.	For iron pipe, "	25.00	30.00	35.50	57.50	88.00

RAIN AND WELL-WATER COCKS.



F-136.—(FOR LEAD PIPE.)

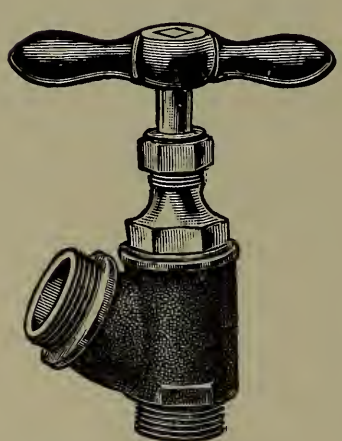


F-137.—(FOR IRON PIPE.)

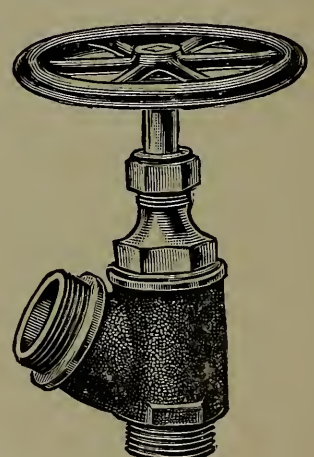
		¾	1	1¼-in.
F-136.	Per doz	$50.00	70.00	84.00
F-137.	" "	54.50	76.00	91.50

BRASS HOSE VALVES.

IRON HANDLES.



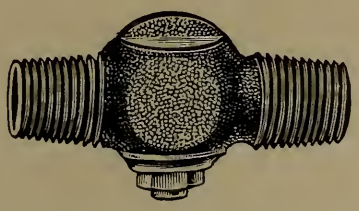
F-153.—(T-HANDLE.)



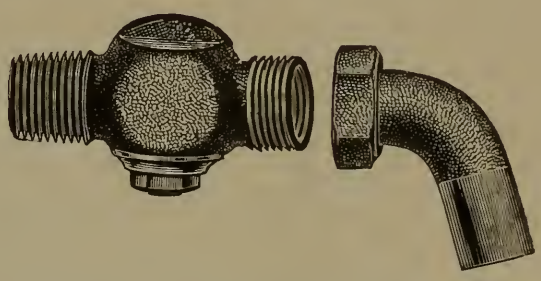
F-154.—(WHEEL HANDLE

	1	1¼	1½	2	2½-in.
Price, each, Rough Body, Plain	$3.15	3.70	4.75	7.00	8.50
" " " " Plated all over	3.65	4 30	5.50	8.00	9 75

CORPORATION STOPS.



FOR MUELLER TAPPING MACHINE.

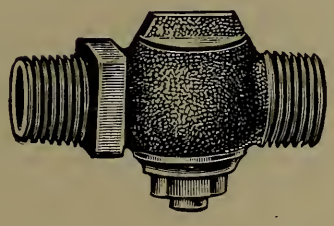


F-142.—(FOR IRON PIPE.)

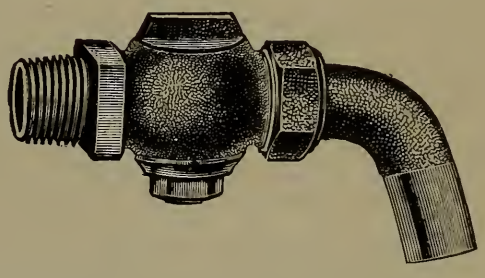
F-143.—(WITH BENT COUPLING.)

		½	⅝	¾	1-in.
F-142.	For iron pipe, per doz	$13.20	16.80	25.20	40.20
F-143.	With bent coupling, per doz	16.20	20.40	30.00	46.20

NOTE:—F-143 can be furnished with straight coupling also; list same as for bent.



FOR PAYNE TAPPING MACHINE.

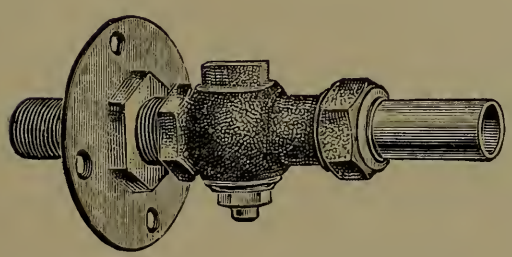


F-144.—(FOR IRON PIPE.)

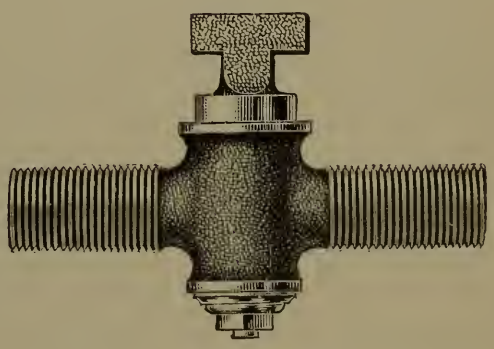
F-145.—(WITH BENT COUPLING.)

		½	⅝	¾	1-in
F-144.	For iron pipe, per doz	$16.00	20.00	29.00	46.00
F-145.	With bent coupling, per doz	19.00	23.00	34.00	53.00

NOTE:—F-145 can be furnished with straight coupling also; list same as for bent.



SCREWED FOR WOOD.



F-146.—(WITH STRAIGHT COUPLING.)

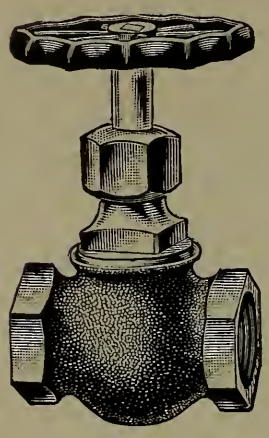
F-147.

		½	⅝	¾	1-in.
F-146.	Per doz	$30.00	36.00	48.00	76.80
F-147.	"	20.00	24.00	32.00	50.00

NOTE:—F-146 can be furnished with bent coupling.

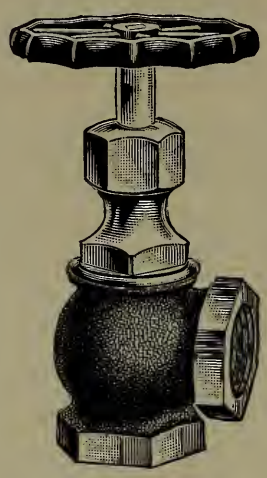
STANDARD BRASS GLOBE, ANGLE AND CROSS VALVES.

GLOBE VALVE.



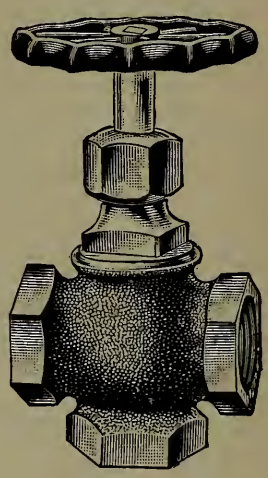
F-155.

ANGLE VALVE.



F-156.

CROSS VALVE.



F-157.

SCREWED, WITH BRASS DISCS.

		⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4-in.
F-155.	Globe, each	$0.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40	26.50	36.00
F-156.	Angle, "	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40	26.50	36.00
F-157.	Cross, "	...	1.25	1.25	1.50	2.00	2.50	3.50	5.00	8.00	16.00	24.00	45.00	60.00

SCREWED, WITH JENKINS' DISCS.

		¼	⅜	½	¾	1	1¼	1½	2	2½	3-in.
F-155.	Globe, each	$1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00
F-156.	Angle, "	1.10	1.25	1.60	2.20	2.80	4.00	5.50	8.75	15.75	22.00
F-157.	Cross, "	1.70	2.00	2.25	2.50	3.25	4.75	6.25	9.50	20.00	27.50

FLANGED, WITH BRASS DISCS.

	½	¾	1	1¼	1½	2	2½	3	3½	4	5	6-in.
Globe, each	$4.50	5.00	6.75	8.50	10.50	16.00	23.00	35.00	50.00	70.00	125.00	200.00
Angle, "	4.50	5.00	6.75	8.50	10.50	16.00	23.00	35.00	50.00	70.00	125.00	200.00
Cross, "	5.25	7.00	9.00	12.00	15.75	22.00	33.00	45.00	75.00	100.00	.....	.....

FLANGED, WITH JENKINS' DISCS.

	1	1¼	1½	2	2½	3-in.
Globe, each	$6.00	9.00	11.00	16.50	25.00	34.00
Angle, "	6.00	9.00	11.00	16.50	25.00	34.00
Cross, "	8.64	11.45	15.10	22.70	32.82	44.30

GLOBE AND ANGLE VALVES—WITH FINISHED BRASS WHEEL.

SCREWED, WITH BRASS DISCS.

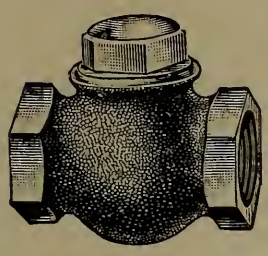
	¼	⅜	½	¾	1	1¼	1½	2-in.
Finished all over, each	$2.75	3.00	3.15	3.50	4.25	5.60	7.00	10.25
Finished and plated all over, each	3.25	3.50	3.70	4.10	4.90	6.30	7.75	11.25

SCREWED, WITH JENKINS' DISCS.

	½	¾	1	1¼	1½	2-in.
Finished all over, each	$2.90	3.65	4.45	6.25	8.75	13.50
Finished and plated all over, each	3.50	4.10	5.00	6.80	9.40	14.15

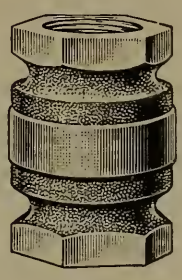
STANDARD BRASS CHECK VALVES.

HORIZONTAL.



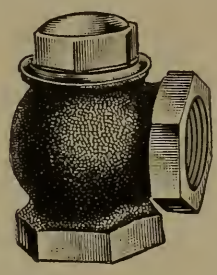
F-163.

VERTICAL.



F-164.

ANGLE.



F-165.

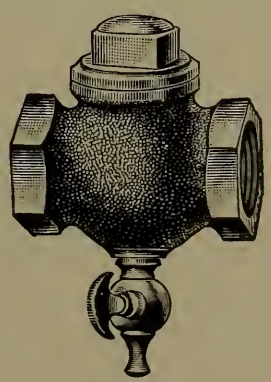
WITH BRASS DISCS.

			⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4-in.
F-163.	Horizontal, screwed,	each	$0.65	.65	.70	.90	1.15	1.60	2.25	3.15	4.75	9.00	13.00	24.00	32.50
F-164.	Vertical,	" "	...	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40	26.50	36.00
F-165.	Angle,	" "	.72	.72	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40	26.50	36.00
F-163.	Horizontal, flanged,	"	...	...	...	4.40	4.90	6.50	8.25	10.15	15.50	22.00	33.50	47.50	66.50
F-164.	Vertical,	" "	...	...	...	4.50	5.00	6.75	8.50	10.50	16.00	23.00	35.00	50.00	70.00
F-165.	Angle,	" "	...	...	...	4.50	5.00	6.75	8.50	10.50	16.00	23.00	35.00	50.00	70.00

WITH JENKINS' DISCS.

		¼	⅜	½	¾	1	1¼	1½	2	2½	3-in.
Horizontal, screwed,	each.....	$1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50
Vertical,	" "	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50
Angle,	" "	1.10	1.20	1.30	1.90	2.60	3.60	5.00	7.50	13.50	20.50
Horizontal, flanged,	"	....	....	....	4.75	5.50	7.80	9.80	15.00	22.80	32.40
Vertical,	" "	....	....	....	4.75	5 50	7.80	9.80	15.00	22.80	32.40
Angle,	" "	....	....	....	4.75	5.50	7.80	9.80	15.00	22.80	32.40

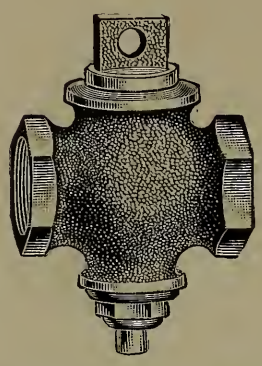
HORIZONTAL CHECK VALVE, WITH DRIP COCK.



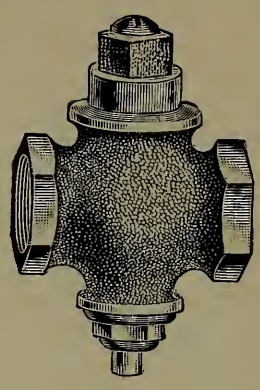
F-166.

	½	¾	1	1¼	1½-in.
With Drip Cock, each.....	$2.15	2.55	3.15	4.05	5.40
Without Drip Cock, each.....	1.85	2.20	2.70	3.60	4.90

BRASS STEAM COCKS.



F-167.—(FLAT HEAD.)

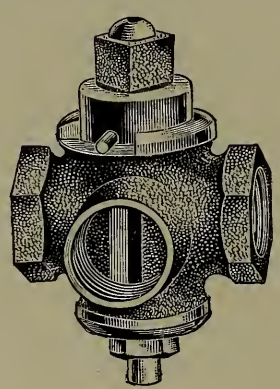


F-168.—(SQUARE HEAD.)

		¼	⅜	½	¾	1	1¼-in
F-167.	Each	$0.85	1.00	1.25	1.70	2.35	3.70
F-168.	Each	.85	1.00	1.25	1.70	2.35	3.70

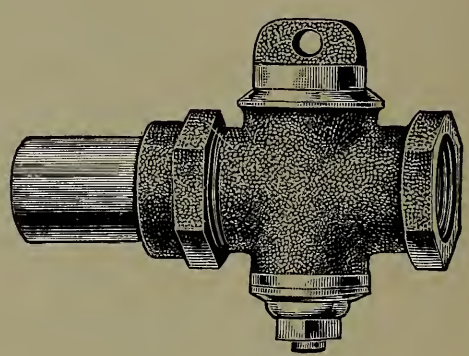
Made up to 3-inch.

THREE-WAY STEAM COCK.



F-169.—(SQUARE HEAD, EXTRA HEAVY.)

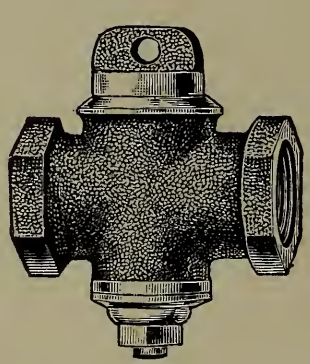
UNION METER COCKS.



F-170.

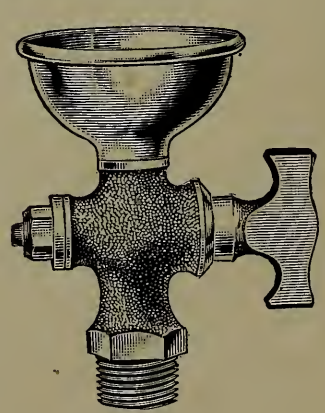
		½	¾	1	1¼	1½-in.
F-169.	Steam Cock, each	$2.50	3.00	3.75	5.75	7.15
F-170.	Meter " "	1.40	1.55	2.20	3.40	5.00

GAS SERVICE COCKS.



F-171.

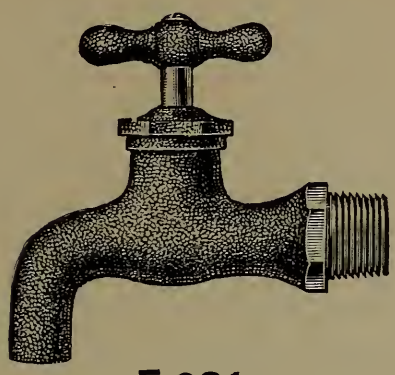
ALCOHOL COCKS.



F-172.

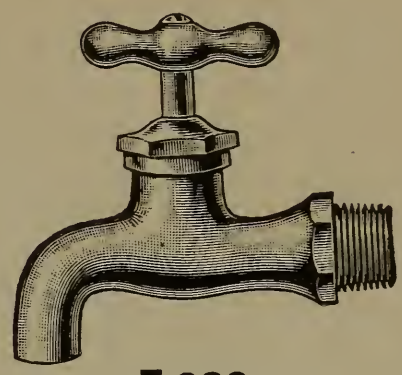
		¼	⅜	½	¾	1	1¼	1½-in.
F-171.	Each	$0.75	.85	.95	1.15	1.50	2.25	3.10
F-172.	Each	....	1.00	...	....	....	....	....

COMPRESSION PLAIN BIBBS FOR IRON PIPE.



F-231.

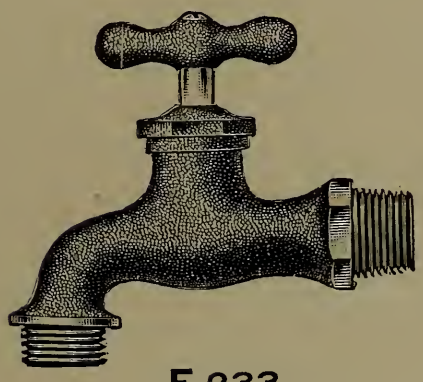
WITH SHOULDER.



F-232.

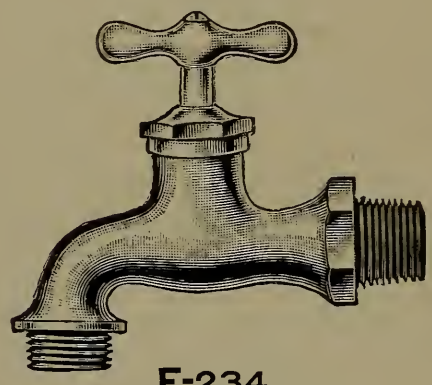
		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-231.	Rough, per doz.....	$11.50	12.50	14.00	19.00	33.00	48.00	74.00	150.00
F-232.	Finished, "	12.00	13.00	15.00	20.00	37.00	56.00	86.00	170.00
F-232.	Nickel plated, per doz...	14.00	15.50	17.50	22.50	40.00	.....	.....	.....

COMPRESSION HOSE BIBBS FOR IRON PIPE.



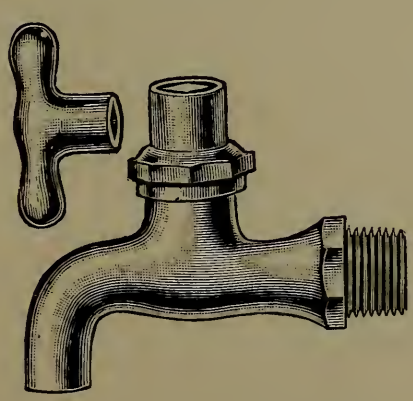
F-233.

WITH SHOULDER.

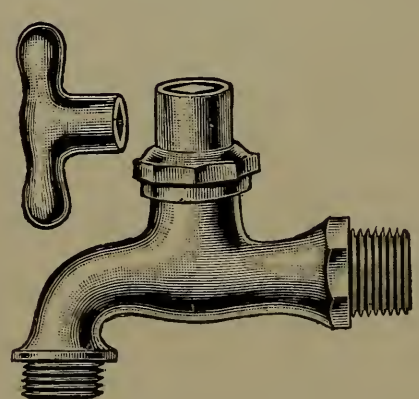


F-234.

		⅜	½	⅝	¾	1	1¼	1½	2-in.
F-233.	Rough, per doz.....	$13.50	14.50	16.00	21.00	36.00	52.00	80.00	160.00
F-234.	Finished, "	14.00	15.00	17.00	22.00	40.00	60.00	92.00	180.00
F-234.	Nickel plated, per doz...	16.00	17.50	19.50	24.50	43.00	.....	.....	.....



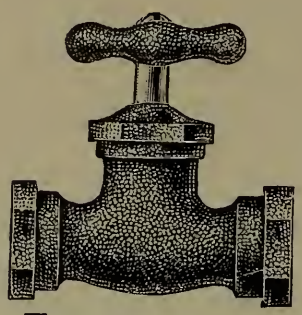
F-245.—(PLAIN, FOR IRON PIPE.)



F-246.—(FOR IRON PIPE, HOSE END.)

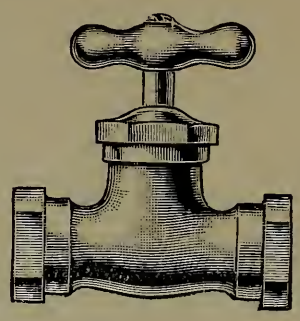
		½	⅝	¾	1-in.
F-245.	Finished, per doz.....	$19.00	21.00	27.00	45.00
F-245.	Nickel plated, per doz.	21.50	23.50	29.50	48.00
F-246.	Finished, "	21.00	23.00	29.00	48.00
F-246.	Nickel plated, "	23.50	25.50	31.50	51.00

COMPRESSION STOPS.



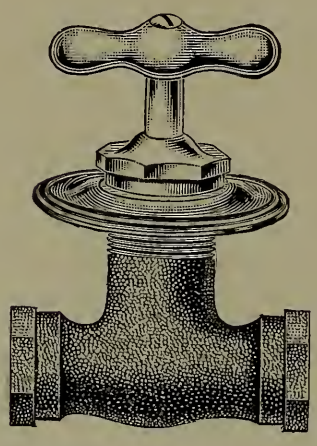
F-277.—(ROUGH.)

BOTH ENDS FOR IRON PIPE.



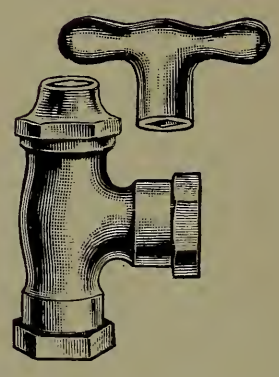
F-278.—(FINISHED.)

		⅜	½	⅝	¾	1	1¼	1½-in.
F-277.	Rough, per doz	$12.50	13.50	15.00	23.00	36.00	52.00	90.00
F-278.	Finished, "	13.00	14.00	16.00	24.00	40.00	60.00	102.00
F-278.	Nickel Plated, per doz	15.00	16.50	18.50	26.50	43.00	.....	.....



F-279—(ROUGH WITH FINISHED FLANGE AND HANDLE.)

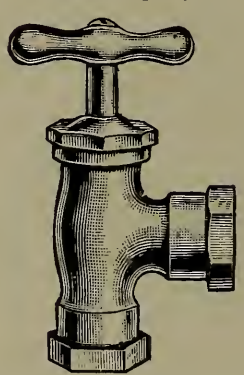
FOR IRON PIPE.



F-280.—(FINISHED, WITH LOOSE KEY.)

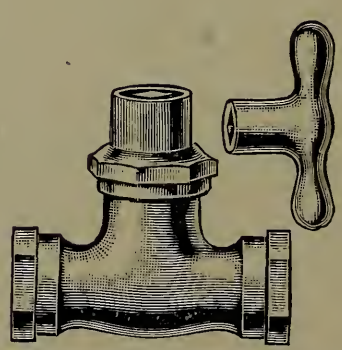
		½	⅝	¾	1-in.
F-279.	Finished flange and handle, per doz	$25.00	29.50	39.50	50.00
F-279.	Nickel Plated flange and handle, per doz	27.50	32.00	42.00	53.00
F-280.	Finished, per doz	20.00	.....	31.00	.....
F-280.	Nickel Plated, per doz	22.50	.....	33.50	.....

ANGLE STOP.



F-282.—(FINISHED, FOR IRON PIPE.)

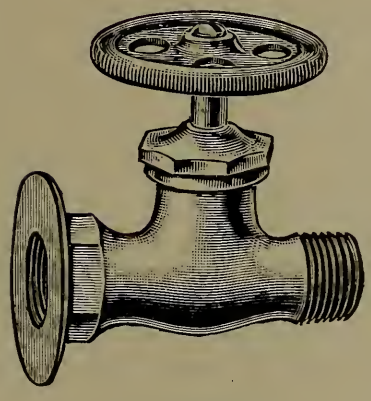
		½	⅝	¾-in.
F-282.	Finished, p. doz	$14.00	.....	24.00
F-282.	Nickel Plated "	16.50	.....	26.50



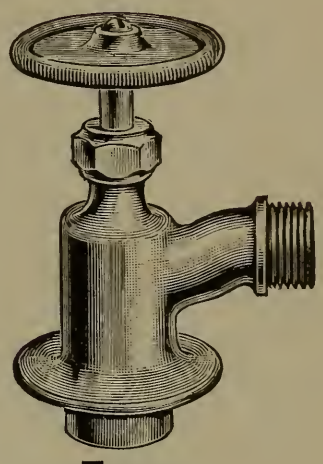
F-284.—(FOR IRON PIPE, LOOSE KEY.)

		½	⅝	¾	1-in.
F-284.	Rough, p. doz	$19.00	21.00	30.00	44.00
F-284.	Finished, "	20.00	22.00	31.00	48.00
F-284.	N. P. "	22.50	24.50	33.50	51.00

COMPRESSION SILL COCKS.



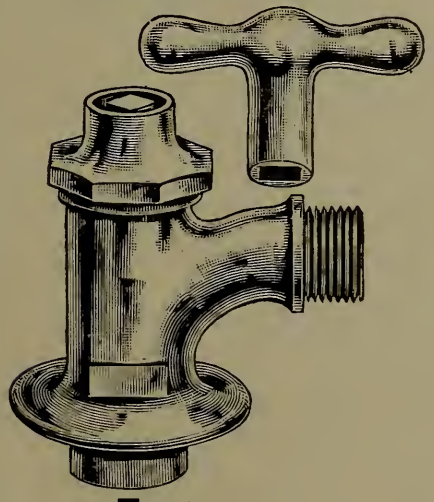
F-289.



F-290.

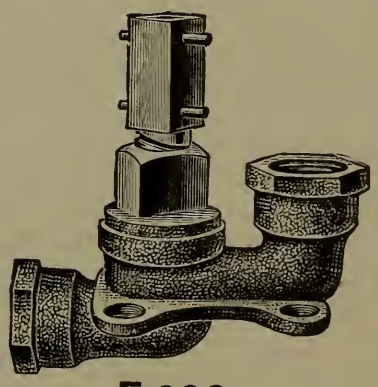
		½	¾-in.
F-289.	Finished, per doz	$22.00	24.00
F-289.	Nickel Plated, per doz	25.00	27.00
F-290.	Finished, "	28.00	28.00
F-290.	Nickel Plated, "	32.00	32.00

COMPRESSION SILL COCK, WITH LOOSE KEY.



F-291.

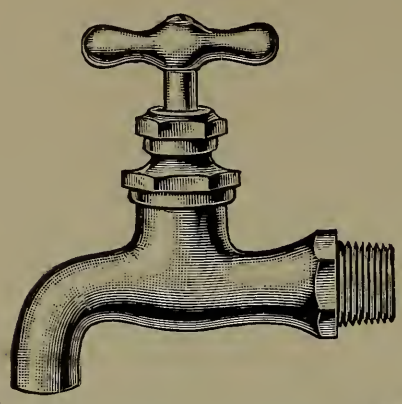
COMPRESSION HYDRANT COCKS, FOR IRON PIPE.



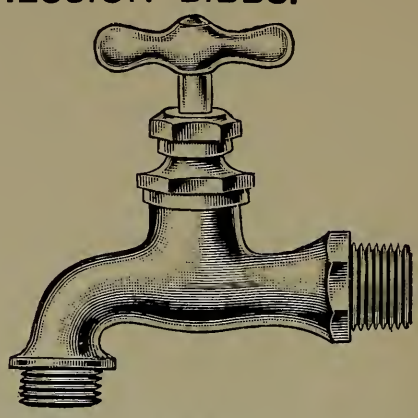
F-292.

		½	⅝	¾	1	1¼	1½	2-in.
F-291.	Finished, per doz	$34.00	.....	34.00	.....	.....	.....	.....
F-291.	Nickel Plated, per doz	38.00	.....	38.00	.....	.....	.....	.....
F-292.	Rough, per doz	22.00	24.00	26.00	44.00	80.00	110.00	170.00

"EXTRA PATTERN" COMPRESSION BIBBS.

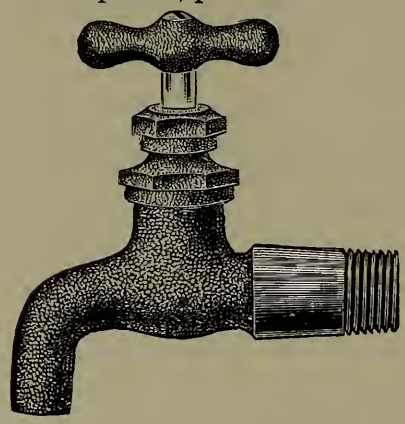


FOR IRON PIPE, WITH SHOULDER.

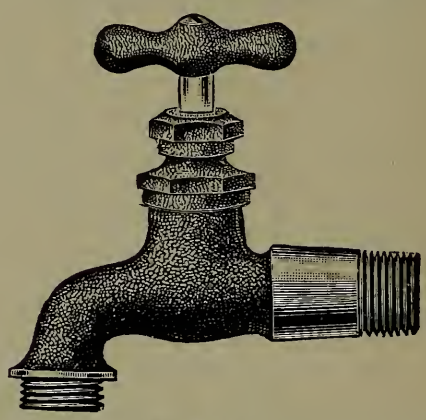


F-335.—(PLAIN, FOR IRON PIPE.) **F-336.**—(HOSE BIBB, FOR IRON PIPE.)

		⅜	½	⅝	¾	1-in.
F-335.	Rough, per doz	$13.50	14 50	16.00	22.00	37.00
F-335.	Finished, "	14.00	15.00	17.00	23.00	41.00
F-335.	Nickel plated, per doz	16.00	17.50	19.50	25.50	44.00
F-336.	Rough, per doz	15.50	16.50	18 00	24.00	40.00
F-336.	Finished, "	16.00	17.00	19.00	25.00	44.00
F-336.	Nickel plated, per doz	18.00	19.50	21.50	27.50	47.00



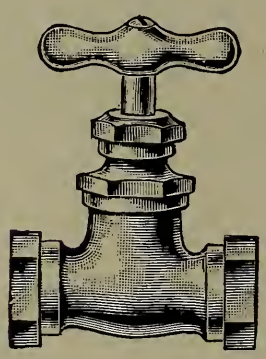
FOR IRON PIPE, WITHOUT SHOULDER.

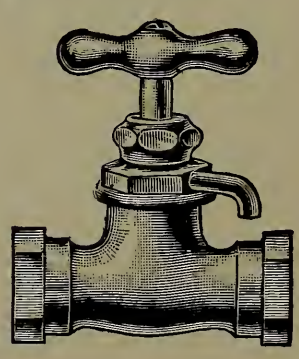


F-337.—(PLAIN, FOR IRON PIPE.) **F-338.**—(HOSE BIBB, FOR IRON PIPE.)

		⅜	½	⅝	¾	1-in.
F-337.	Rough, per doz	$13 50	14.50	16.00	22.00	37.00
F-337.	Finished, "	14.00	15.00	17.00	23.00	41.00
F-337.	Nickel plated, per doz	16.00	17.50	19.50	25.50	44.00
F-338.	Rough, per doz	15.50	16.50	18.00	24.00	40.00
F-338.	Finished "	16.00	17.00	19.00	25.00	44.00
F-338.	Nickel plated, per doz	18.00	19.50	21.50	27.50	47.00

Any of above Bibbs can be furnished 1¼, 1½ and 2-inch.

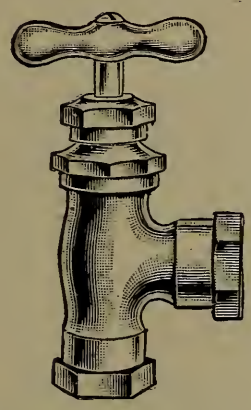




F-367.—(STOP FOR IRON PIPE.) **F-368.**—(STOP AND WASTE FOR IRON PIPE.)

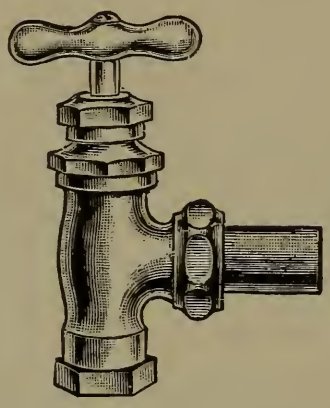
		⅜	½	⅝	¾	1-in.
F-367.	Rough Stop, per doz	$14.50	15.50	17.00	26.00	40.00
F-367.	Finished Stop, "	15.00	16.00	18.00	27.00	44.00
F-367.	Nickel Plated Stop, per doz	17.50	18.50	20.50	29.50	47.00
F-368.	Rough Stop and Waste	16.00	17.00	20.00	27.50	46.00
F-368.	Finished " "	17.50	18.50	21.50	29.00	48.00
F-368.	Nickel Plated Stop and Waste	20.00	21.00	24.00	31.50	51.00

"EXTRA PATTERN" COMPRESSION STOPS.



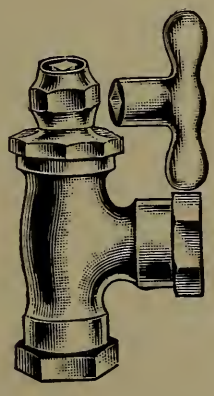
F-380.—(FOR IRON PIPE.)

ANGLE STOPS.



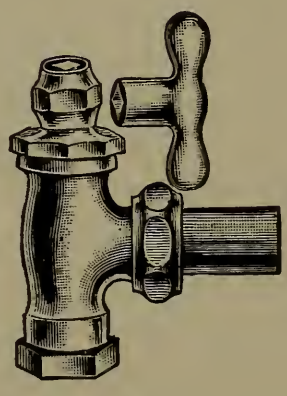
F-381.—(FOR IRON PIPE WITH COUPLING.)

		⅜	½	¾-in.
F-380.	Finished, per doz	$15.00	16.00	27.00
F-380.	Nickel plated, per doz	17.50	18.50	29.50
F-381.	Finished, "	20.00	21.00	35.00
F-381.	Nickel plated, "	23.00	24.00	38.50



F-382.—(FOR IRON PIPE.)

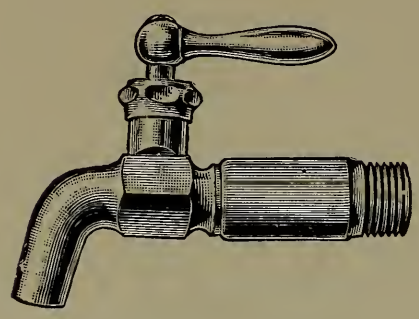
ANGLE STOPS, LOOSE KEY.



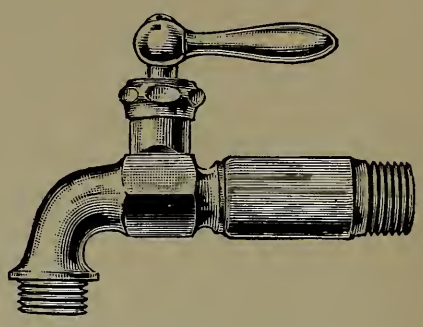
F-383.—(FOR IRON PIPE WITH COUPLING.)

		⅜	½	¾-in.
F-382.	Finished, per doz	$21.00	22.00	34.00
F-382.	Nickel plated, per doz	23.50	24.50	35.50
F-383.	Finished, "	26.00	27.00	42.00
F-383.	Nickel plated, "	29.00	30.00	45.50

FULLER BIBBS.

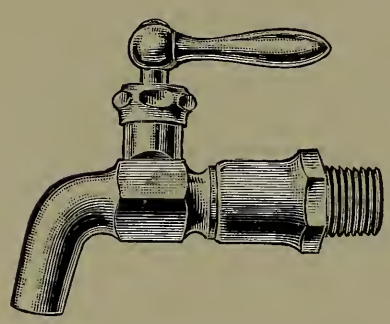


FOR IRON PIPE, WITHOUT SHOULDER.

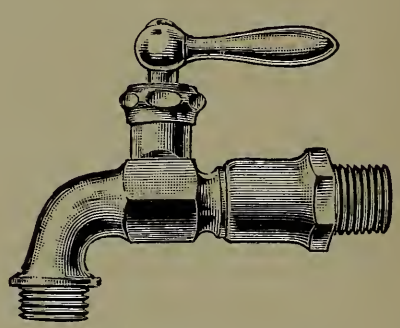


F-433.—(PLAIN.) **F-434.**—(HOSE.)

		½	⅝	¾	1-in.
F-433.	Plain, Finished, per doz	$21.00	24.00	30.00	40.00
F-433.	" Nickel Plated, per doz	25.00	28.00	36.00	50.00
F-434.	Hose, Finished, per doz	24.00	28.00	34.00	44.00
F-434.	" Nickel Plated, per doz	28.00	32.00	40.00	54.00



FOR IRON PIPE, WITH SHOULDER.

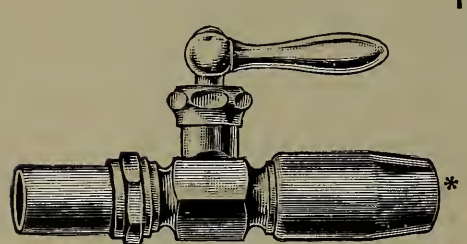


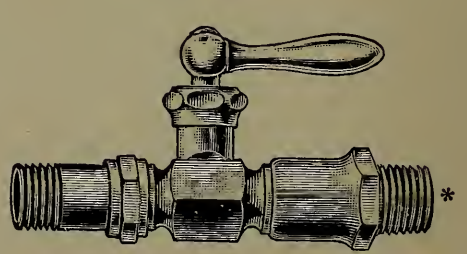
F-435.—(PLAIN.) **F-436.**—(HOSE.)

		½	⅝	¾	1-in.
F-435.	Plain, Finished, per doz	$21.00	24.00	30.00	40.00
F-435.	" Nickel Plated, per doz	25.00	28.00	36.00	50.00
F-436.	Hose, Finished, per doz	24.00	28.00	34.00	44.00
F-436.	" Nickel Plated, per doz	28.00	32.00	40.00	54.00

All our Fuller Work bears our Stamp.

FULLER STOPS.



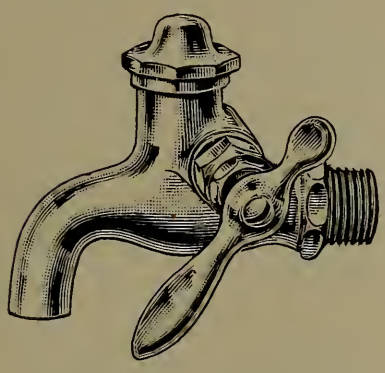


F-470.—(FOR LEAD PIPE.) **F-471.**—(FOR IRON PIPE.)

		½	⅝	¾	1	1¼	1½	2-in.
F-470.	Rough, per doz	$18.00	21.00	25.00	36.00	60.00	70.00	135.00
F-470.	Finished, "	20.00	24.00	28.00	40.00	65.00	75.00	150.00
F-470.	Nickel plated, per doz	25.00	30.00	34.00	50.00	.....	.....	.....
F-471.	Rough, "	19.00	23.00	27.00	39.00	64.00	76.00	145.00
F-471.	Finished, "	21.00	26 00	30.00	43 00	70.00	82 00	175.00
F-471.	Nickel plated, "	26.00	32.00	36.00	53.00	.....	.....	.....

"GIELOW" PATENT SELF-CLOSING WORK.

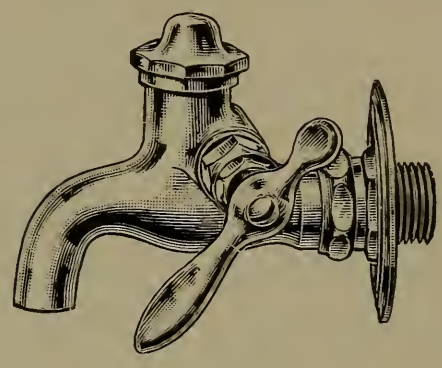
BIBBS FOR IRON PIPE.



F-535.—(IRON PIPE.)

Finished, per doz..... ..... $30.00
Nickel Plated, per doz..... 33.00

BIBBS WITH ADJUSTABLE FLANGE.

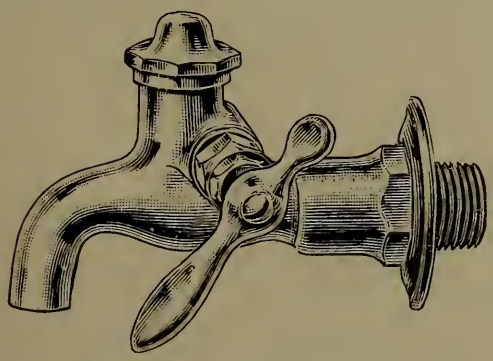


F-538.

(DETACHABLE SHANK FOR IRON PIPE.)

Finished, per doz..... $44.00
Nickel Plated, per doz..... 48.00

(FOR IRON PIPE, OUTSIDE THREADS.)

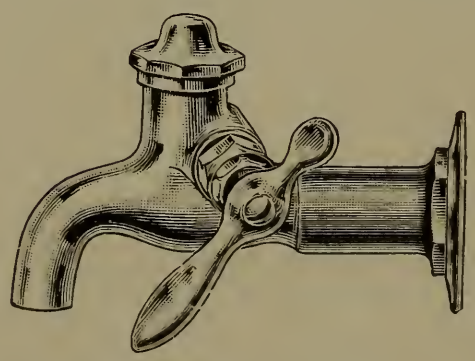


F-539.—(DETACHABLE SHANK.)

Finished, per doz..... $38.00
Nickel Plated, per doz..... 42.00

WITH SOLID FLANGE, THIMBLES. WITH SQUARES.

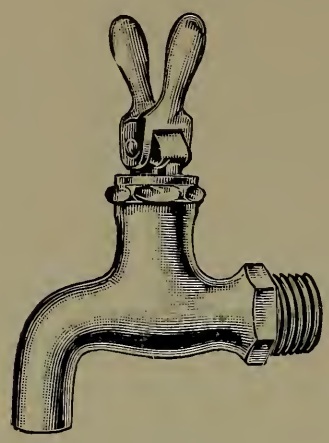
(FOR IRON PIPE, INSIDE THREADS.)



F-540.—(DETACHABLE SHANK.)

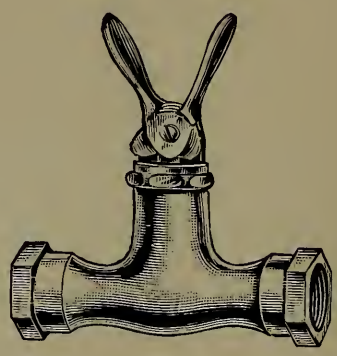
Finished, per doz..... $38.00
Nickel Plated, per doz..... 42.00

DOHERTY SELF-CLOSING WORK.



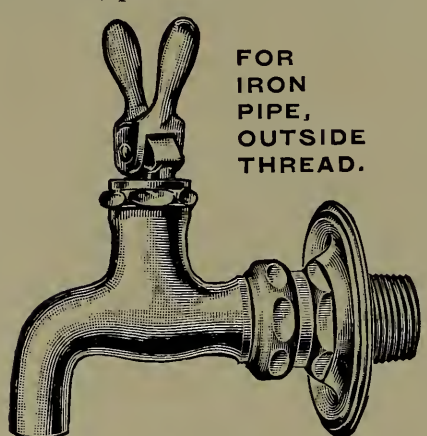
F-551.—(FOR IRON PIPE.)

	½	⅝-in.
Finished, per doz.	$27.00	$30.00
Nickel Plated, per doz.	33.00	36.00



F-549.—(FOR IRON PIPE.)

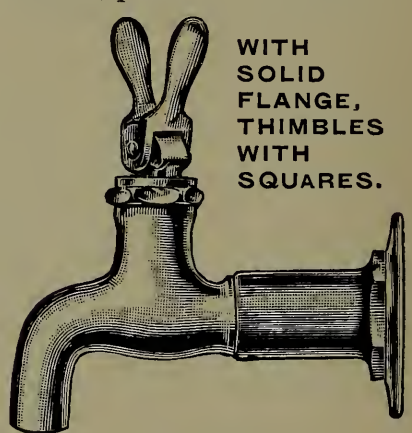
	½	⅝-in.
Finished, per doz.	$30.00	$33.00
Nickel Plated, per doz.	36.00	39.00



FOR IRON PIPE, OUTSIDE THREAD.

F-558.
(DETACHABLE SHANK, ADJUSTABLE FLANGE.)

Finished, per doz.	$44.00
Nickel Plated, per doz.	48.00

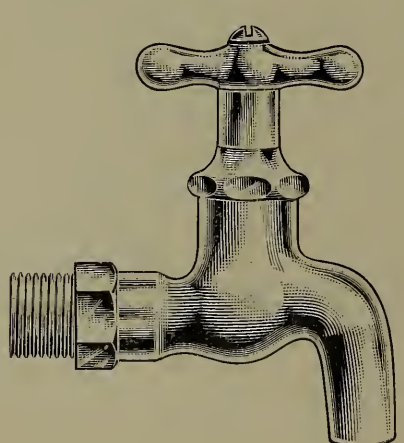


WITH SOLID FLANGE, THIMBLES WITH SQUARES.

F-559.
(DETACHABLE SHANK, INSIDE THREAD.)

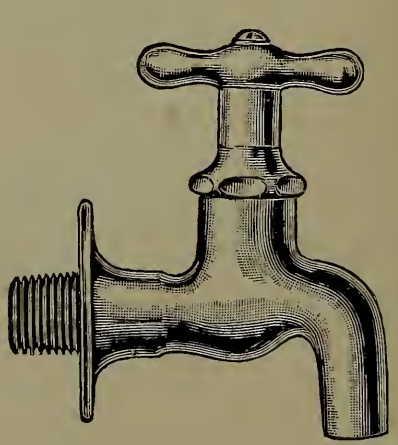
Finished, per doz.	$38.00
Nickel Plated, per doz.	42.00

BOSTON SELF-CLOSING BIBBS.



PLAIN BIBBS.

PLAIN BIBBS, WITH FLANGE FOR IRON PIPE.



F-568.—(FOR IRON PIPE, WITH SHOULDER.)

	⅜	½	⅝
Finished, per doz.	$25.00	28.00	31.00
Nickel Plated, per doz.	29.00	32.00	35.00

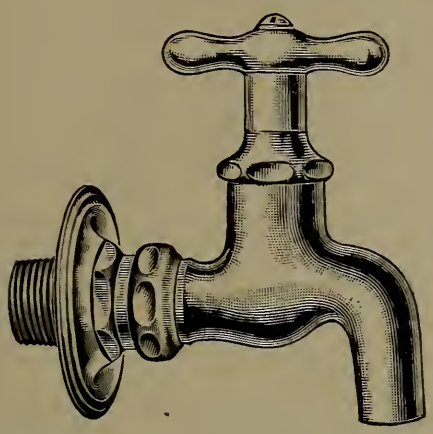
F-570.—(OUTSIDE THREAD.)

	½	⅝-in.
Finished, per doz.	$32.00	35.00
Nickel Plated, per doz.	36.00	39.00

Add for Hose Ends on above Bibbs, per doz., $4.00.

BOSTON SELF-CLOSING WORK.

FOR IRON PIPE.

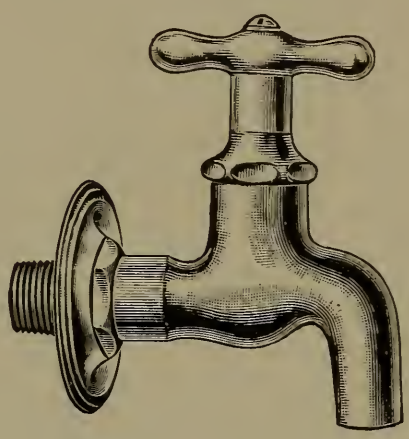


WITH ADJUSTABLE FLANGES.

F-561.—(DETACHABLE SHANK.)

Finished, per doz..... $44.00
Nickel Plated, per doz..... 48.00

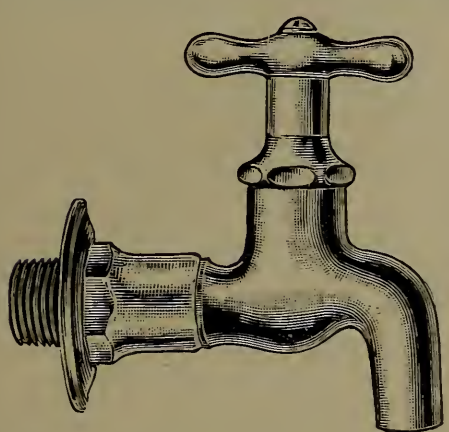
BIBBS FOR IRON PIPE, ADJUSTABLE FLANGES.



F-565.—(SOLID SHANK.)

Finished, per doz..... $38.00
Nickel Plated, per doz..... 42.00

FOR IRON PIPE, OUTSIDE THREADS.

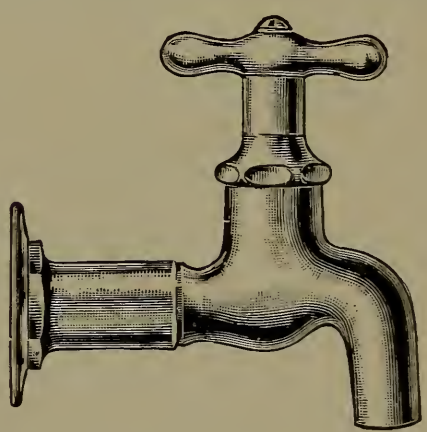


WITH SOLID FLANGE, THIMBLES WITH SQUARES.

F-562.—(DETACHABLE SHANK.)

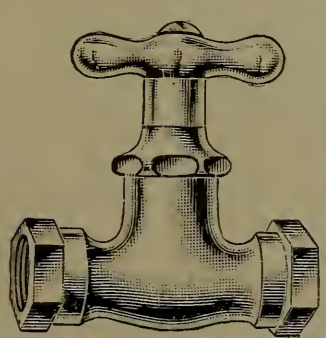
Finished, per doz..... $38.00
Nickel Plated, per doz..... 42.00

FOR IRON PIPE, INSIDE THREADS.



F-563.—(DETACHABLE SHANK.)

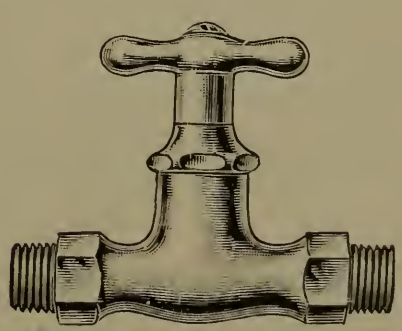
Finished, per doz..... $38.00
Nickel Plated, per doz..... 42.00



STOPS FOR IRON PIPE.

F-573.—(FOR IRON PIPE, INSIDE THREAD.)

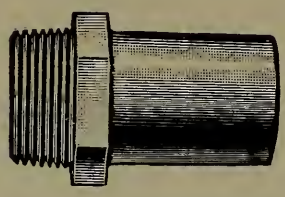
	½	⅝	¾-in.
Finished, per doz.....	$32.00	35.00	41.00
Nickel Plated, per doz..	36.00	39.00	46.00



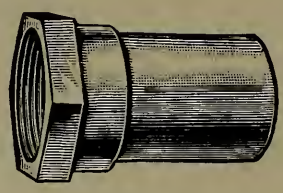
F-574.—(OUTSIDE THREAD.)

	½	⅝	¾-in.
Finished, per doz.....	$32.00	35.00	41.00
Nickel Plated, per doz..	36.00	39.00	46.00

SOLDERING NIPPLES.



F-615.—(STRAIGHT, SCREWED OUTSIDE.)

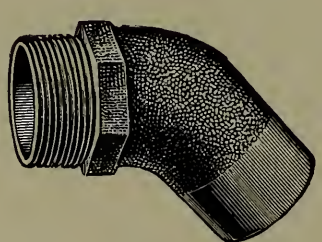


F-616.—(STRAIGHT, SCREWED INSIDE.)

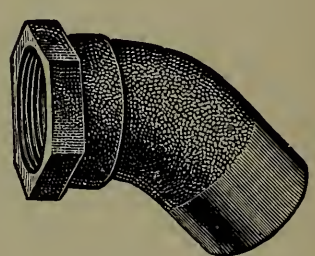
		¼	⅜	½	¾	1	1¼	1½	2-in.
F-615.	Per doz.	$1.75	2.25	2.50	3.00	5.00	7.50	10.00	14.00
F-616.	"	1.75	2.25	2.50	3.00	5.00	7.50	10.00	14.00

Nipples made 2½, 3, 3½ and 4-inch.

NOTE.—Extra Heavy Nipples made to order.



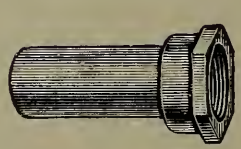
F-617.—(BENT, SCREWED OUTSIDE.)



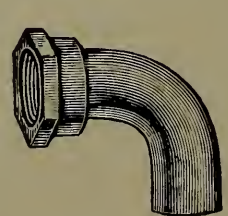
F-618.—(BENT, SCREWED INSIDE.)

		¼	⅜	½	¾	1	1¼	1½	2-in.
F-617.	Per doz.	$2.75	3.25	4.50	5.50	9.00	12.00	16.00	22.00
F-618.	"	2.75	3.25	4.50	5.50	9.00	12.00	16.00	22.00

SOLDERING UNIONS.



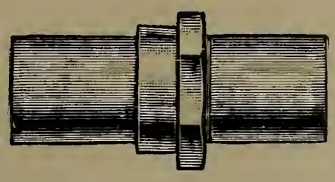
F-619.—(STRAIGHT.)



F-620.—(BENT.)

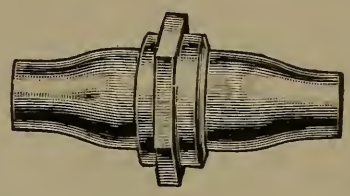
		¼	⅜	½	¾	1	1¼	1½	2-in.
F-619.	Per doz.	$2.25	2.75	3.25	4.00	6.00	8.50	12.00	18.00
F-620.	"	3.00	3.75	4.75	6.50	9.00	11.50	17.00	24.00

PLAIN COUPLINGS.



F-621.

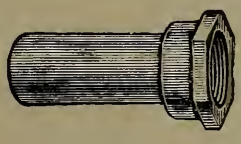
VALVE COUPLINGS.



F-622.

		¼	⅜	½	⅝	¾	1	1¼	1½	2-in.
F-621.	Plain Face per doz	$3.00	3.50	4.00	5.00	6.50	10.00	15.00	20.00	30.00
F-621.	Ground Face, "	4.00	4.50	5.00	6.50	8.00	12.00	18.00	24.00	36.00
F-622.	" for Lead Pipe, per doz.....	....	9.00	10.00	12.00	15.00	20.00	30.00	40.00	60.00
F-622.	Ground Face, for Iron Pipe, per doz.....	....	10.00	11.00	.....	17.00	23.00	34.00	44.00	70.00

HEAVY SOLDERING UNIONS.

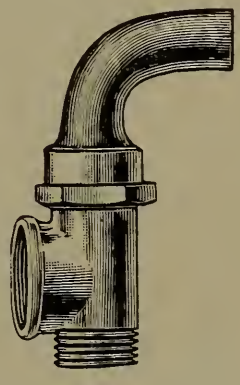


F-623.

	⅜	½	¾	1-in.
Per doz.....	$3.50	4.00	6.50	10.00
" N. P..		6.00	9.50	17.00

	1¼	1½	2-in.
Per doz.....	$15.00	18.00	26.00
" N. P.....	23.00	28.00	41.00

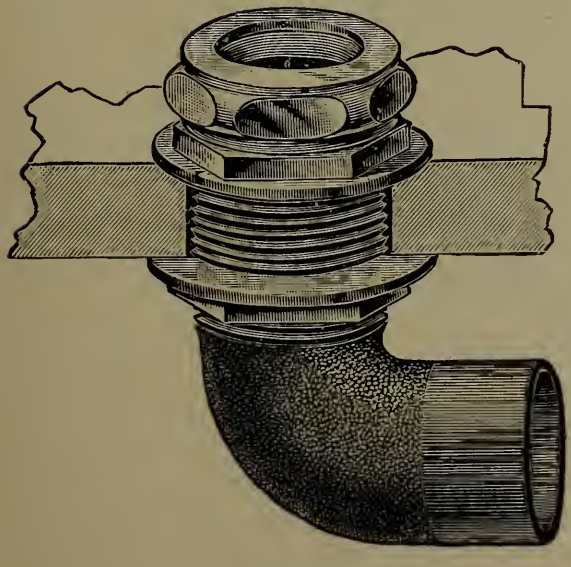
BOILER COUPLING WITH "T."



F-624.—(FOR HOT WATER CONNECTION ABOVE BOILER.)

Price, as shown, Coupling and "T"..... $1.50
" "T" only..... 1.00

Convenient fitting to use when Auxiliary Water Heater is to be connected. Hot water can be drawn from top of boiler.



F-625.

EXPANSION JOINTS.

	⅜	½	¾	1-in.
Polished Brass, each...	$0.75	.75	.90	1.10
Nickel Plated, " ...	.90	.90	1.10	1.35

	1¼	1½	1¾	2-in.
Polished Brass, each...	$1.50	2.00	2.75	3.75
Nickel Plated, " ...	1.80	2.50	3.50	4.75

BRASS FITTINGS.

IRON PIPE THREADS.

EIGHTH BEND.

F-698.

ELBOW.

F-699.

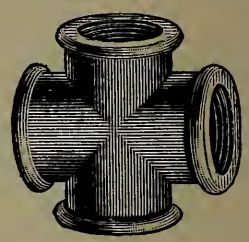
ELBOW WITH TAG.

F-700.

ELBOW WITH SIDE OUTLET.

F-701.

CROSS.

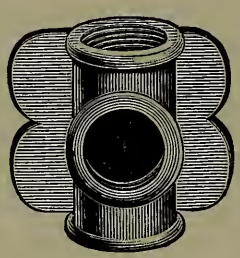


F-702.

TEE.

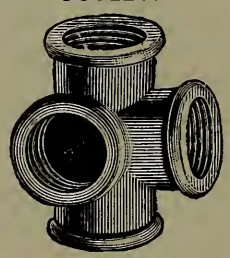
F-703.

TEE WITH TAG.



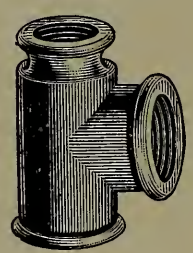
F-704.

TEE WITH SIDE OUTLET.



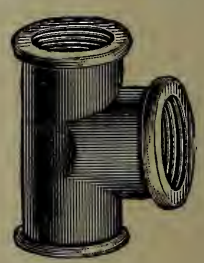
F-705.

TEE REDUCING ONE WAY.



F-706.

TEE INCREASING ONE SIZE ON SIDE.

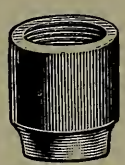


F-707.

COUPLING.

F-708.

COUPLING REDUCING ONE SIZE.



F-709.

CAP.

F-710.

PLUG.

F-711.

LOCK-NUT.

F-712.

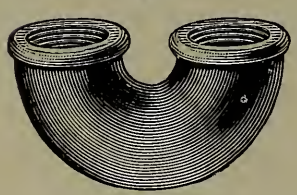
BUSHING TO REDUCE ONE SIZE, HEXAGON.

F-713.

CLOSE NIPPLE.

F-714.

RETURN BEND OPEN.

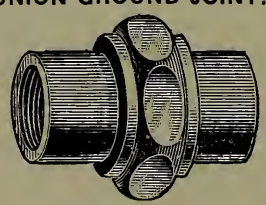


F-715.

RETURN BEND CLOSE.

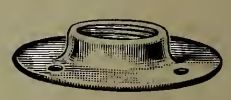
F-716.

UNION GROUND JOINT.



F-717.

PIPE FLANGE, CAST BRASS.

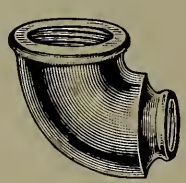


F-720.

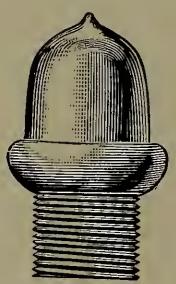
STREET ELBOW.

F-721.

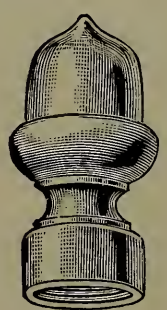
REDUCING ELBOW.



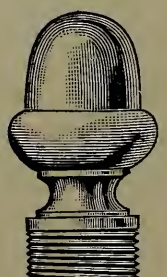
F-722.



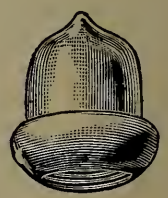
F-725.



F-726.



F-727.



F-728.

BRASS FITTINGS.

Size, inches, each	⅛	¼	⅜	½	¾	1	1¼	1½	2
Eighth Bends, Rough, each	.....	$0.25	$0.30	$0.40	$0.50	$0.75	$1.25	$1.65	$2.25
" Finished, each	.....	.42	.50	.68	.85	1.25	2.10	2.75	3.75
Elbows, Rough, each	$0.12	.17	.21	.28	.35	.50	.85	1.10	1.50
" Finished, each	.24	.34	.42	.56	.70	1.00	1.70	2.20	3.00
Elbows with Tag, Rough, each	...	...	.30	.40	.60	.85	1.20	1.60	2.25
" " Finished, each	...	...	.60	.80	1.20	1.70	2.40	3.20	4.25
" with Side Outlet, Rough, each	...	...	.30	.40	.60	.85	1.20	1.60	2.25
Elbows with Side Outlet, Finished, each	...	...	.60	.80	1.20	1.70	2.40	3.20	4.25
Crosses, Rough, each	.20	.30	.40	.50	.60	.80	1.50	2.00	3.50
" Finished, each	.40	.60	.80	1.00	1.20	1.60	3.00	4.00	7.00
Tees, Rough, each	.15	.20	.30	.40	.50	.75	1.00	1.30	1.75
" Finished, each	.30	.40	.60	.80	1.00	1.50	2.00	2.60	3.50
" with Tag, Rough, each	.25	.30	.40	.50	.70	1.00	1.35	1.80	3.00
" " Finished, each	.50	.60	.80	1.00	1.40	2.00	2.70	3.60	4.50
" with Side Outlet, Rough, each	.25	.30	.40	.50	.70	1.00	1.35	1.80	3.00
" " " Finished, "	.50	.60	.80	1.00	1.40	2.00	2.70	3.60	4.50
" Reducing One Size, Rough, each	...	.25	.38	.50	.63	.95	1.25	1.65	2.20
Tees, Reducing One Size, Finished, each	...	.50	.76	1.00	1.25	1.90	2.50	3.30	4.40
Tees, Increasing One Size on Side, Rough, each	...	.30	.45	.60	.70	1.00	1.50	1.75	2.50
Tees, Increasing One Size on Side, Finished, each	...	.60	.90	1.20	1.40	2.00	3.00	3.50	5.00
Couplings, Rough, each	.10	.14	.16	.25	.37	.50	.60	.90	1.35
" Finished, each	.20	28	.32	.50	.75	1.00	1.20	1.80	2.70
" Reducing One Size, Rough, each	.10	.14	.16	.25	.37	.50	.60	.90	1.35
Couplings, Reducing One Size, Finished, each	.20	.28	.32	.50	.75	1.00	1 20	1.80	2.70
Caps, Rough, each	.15	.15	.20	.25	.35	.45	.60	.80	1.10
" Finished, each	.30	.30	.40	.50	.70	.90	1.20	1.60	2.20
Plugs, Rough, each	.09	.10	.12	.15	.20	.28	.40	.50	.90
" Finished, each	.18	.20	.24	.30	.40	.56	.80	1.00	1.80
Lock-nuts, Rough, each	.10	.10	.12	.15	.20	.30	.45	.70	.95
" Finished, each	.20	.20	.24	.30	.40	.60	.90	1.40	1.90
Bushings, to Reduce One Size, Rough, each	...	.10	.12	.14	.21	.38	.50	.67	1.00
Bushings, Finished, each	...	.15	.18	.21	.32	.57	.77	1.00	1.50
" to Reduce Two Sizes, Rough, each	...	...	.12	.14	.21	.38	.50	.67	1.00
Nipples, 4 in. long and less, each	.15	.20	.30	.35	.45	.60	.90	1.25	1.60

Nipples over 4 in. long, add for each additional inch for ¾-in. 10c; for 1-in. 15c; for 1¼-in. 20c; for 1½-in. 25c; for 2-in. 30c, list. Finished Nipples are double the price of Rough.

	⅛	¼	⅜	½	¾	1	1¼	1½	2
Return Bends, Open, Rough, each	...	...	...	.60	.80	1.15	1.75	2.50	3.50
" " Finished, "	...	...	...	1.20	1.60	2.30	3.50	5.00	7.00
" Close, Rough, "	...	...	...	.60	.80	1.15	1.75	2.50	3.50
Unions, Ground Joints, " "	.32	.36	.50	.70	.90	1.25	1.70	2.50	3.60
" " Finished,"	.48	.54	.75	1.05	1.35	1.80	2.55	3.75	5.40
Street Elbows, Rough, each	...	...	.30	.40	.60	.85	1.20	1.60	2.25
" Finished, each	...	...	.60	.80	1.20	1.70	2.40	3.20	4.25
Reducing Elbows, Rough, each	...	.22	.26	.35	.45	.62	1.10	1.40	1.90
" Finished each	...	.44	.52	.70	.90	1.24	2.20	2.80	3.80
Pipe Flanges, Cast Brass, Finished, each	...	.60	.60	.80	1.00	1.40	1.80	2.20	2.60
Acorn Tips, F-725 and F-726, Rough, each	.15	.20	.30	.35	.45	.75	1.10	1.40	....
Acorn Tips, F-725 and F-726, Finished, each	.22	.28	.40	.45	.60	1.00	1.50	2.00	....
Acorn Tips, F 727 and F-728, Rough, each	.12	.17	.21	.28	.35	.50	.85	1.15	1.50
Acorn Tips, F 727 and F-728, Finished, each	.18	.26	.31	.38	.45	.65	1.10	1.50	2.00

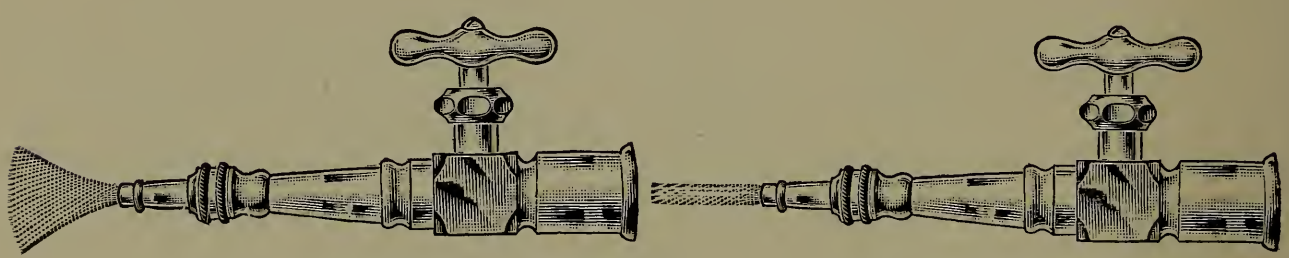
For Nickel Plating, add 25 per cent to prices on above Brass Fittings.

FULLER HOSE PIPES.

Our Fuller Hose Pipe throws a solid stream. *No leakage.* No Sprinkler or changing of tips necessary. It throws a spray in a great shower, varying to the finest mist.

Its great durability, its perfect freedom from any liability of leakage, place it far in advance of other Hose Nozzles. All others have a ground in key or plug; these, if they do not leak to start with, do so the first season, being easily damaged by dropping on the ground, or by sand getting around the plug. If not ruined in this way, the first winter destroys them, as the water left in the key, when shut off, freezes; this expands the key so that it does not fit in its place, and forever after this causes it to leak badly.

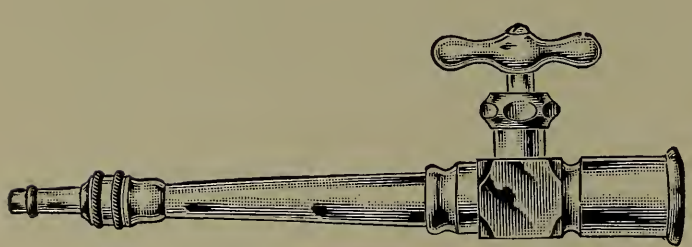
☞ Any part lost or destroyed can be duplicated.



F-735.

SPRAY STREAM. SOLID STREAM.

¾-inch, per doz..... $18.00
1-inch, " 30.00



F-736.—(LONG PATTERN.)

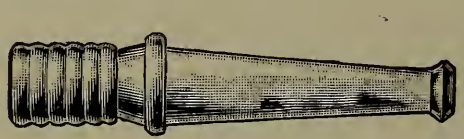
¾-inch, per doz..... $22.50
1 " " 36.00

BALL STEM. ECCENTRIC.

F-737. F-738.

		¾ in.	1-in.
F-737.	Per doz.....	$4.00	5.00
F-738.	"	3.00	4.00

PLAIN HOSE PIPES.



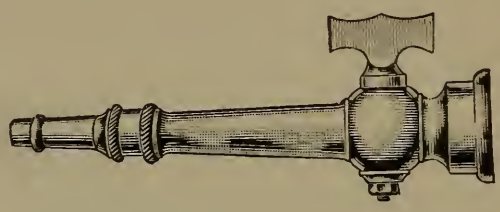
F-739.—(TO TIE.)

F-740.—(TO SCREW.)

		¾	1	1¼	1½	2	2½-in.
F-739.	Per doz.....	$3.50	4.00	6.40	.....	.....	.....
F-740.	"	3.50	4.00	6.40	15.00	21.50	28.50

PLAIN HOSE PIPES.

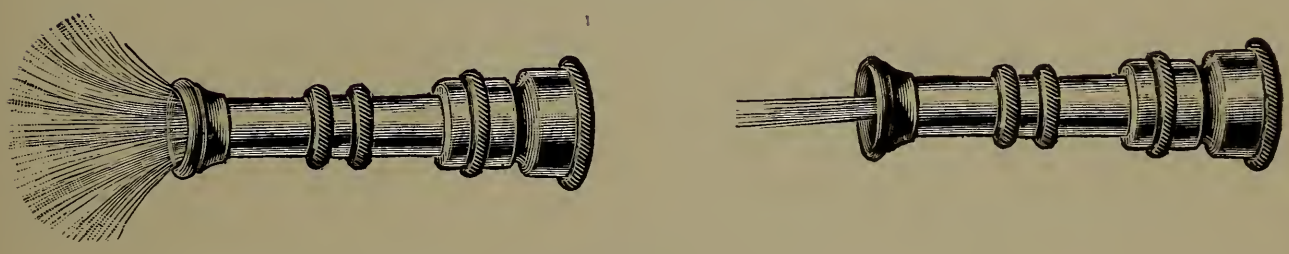
F-741.—(SCREW TIP.)



F-742.—(COCK, LARGE END.)

Size.....	¾	¾	¾	1	1¼	1½	2	2½-in.
Length	6	8	12	9	17	20	20	24-in.
F-741. Per doz....		$8.00	10.00	10.50	28.00	36.00	50.00	100.00
Length.....	6	8	12	8	12	12-in.	.....	.....
F-742. Per doz....$11.00		13.00	18.00	15.00	40.00	55.00	.....	.....

THE GEM SPRAY NOZZLE.



F-743.

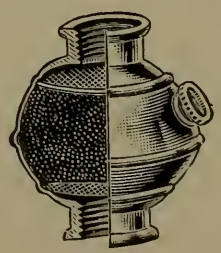
	¾	1-in.
Finished, per doz.....	$10.00	12.00
Nickel Plated, per doz.....	13.00	15.00

HOSE SPRINKLERS.

F-744.

	2	2¼	2½	3-in.
For Hose Pipe.....	¾	¾	1	1¼-in.
Per doz.....$4 50		5.25	6.00	9 00

WATER FILTERS.



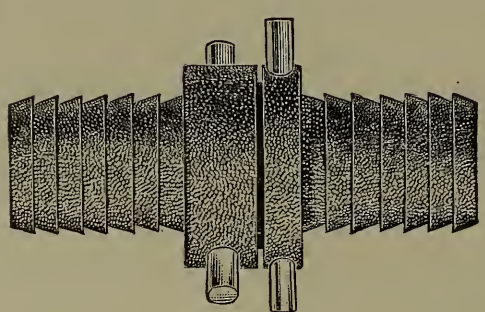
F-745.

Copper, per doz.....	$10 00
Nickel Plated, per doz.....	12.00

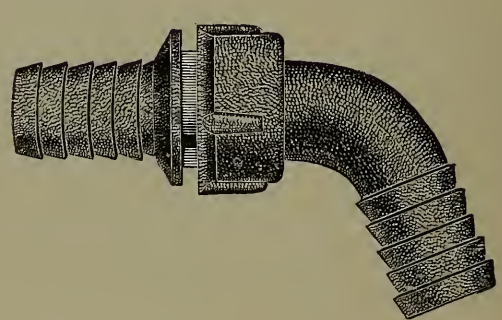
HOSE COUPLINGS

F-748.

	½	¾	1	1¼	1½	2-in.
Hose Pipe Thread, per doz.	$2.40	2.40	4.40	10.00	14.00	24.00
Iron Pipe Thread, "	2.65	2.65	4.65	10.50	15.00	26.00
Female Half Hose Pipe Thread, per doz.	1.80	1.80	3.00	7.20	9.60	16.20
" " Iron " " "	1.80	1.80	3.25	7.80	10.80	17.40



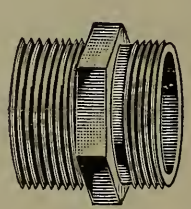
F-749.—(WITH LUGS.)



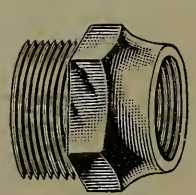
F-750.—(BENT.)

		2	2½	3	3½	4-in.
F-749	Iron Pipe Thread, per doz.	$32.00	50.00	76.00	120.00	150.00
F-750.	¾-inch only, per doz.	$4.50				

HOSE NIPPLES.



F-751.—(MALE.)



F-752.—(FEMALE.)

	½	¾	1	1¼	1½	2	2½-in.
Per doz.	$3.50	3.50	5.00	9.00	10.00	14.00	28.00

HOSE ATTACHMENTS.

HOSE SPLICE.

F-753.

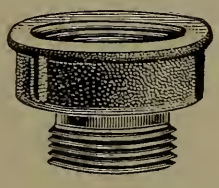
	½	¾	1-in.
Brass, per doz.	$1.20	1.20	2.00
Malleable Iron, per lb	.15	....	....

HOSE CLAMPS.

F-754.

	½	¾	1	1¼	1½-in.
Per doz.	$1.50	1.50	2.00	2.50	3.00

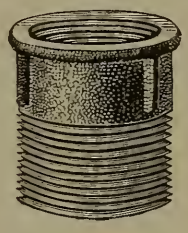
HOSE REDUCERS.



F-755.

	1 to ¾	1¼ to ¾	1¼ to 1-in.
Per doz.	$6.50	10.00	10.00

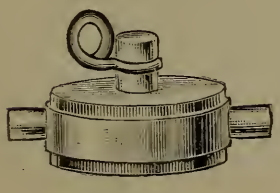
HOSE INCREASERS.



F-756.

	¾ to 1	¾ to 1¼	¾ to 1½ in.
Per doz.	$6.50	10.00	12.00

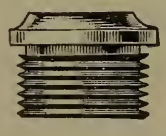
HOSE CAPS.



F-757.

	¾	1	1¼	1½	2	2½-in.
Per doz.	$4.00	6.00	8.00	10.00	15.00	24.00

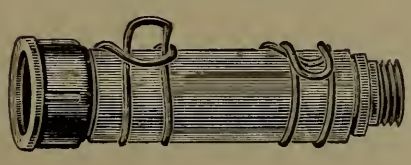
HOSE BIBB END.



F-758.

	½	⅝	¾-in.
Per doz.	$2.50	2.50	2.50

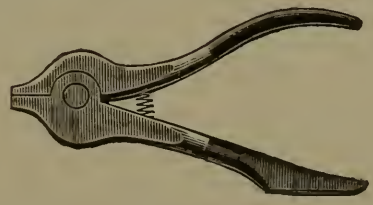
HOSE STRAPS.



F-759.

	¾	1-in.
Per doz.	$0.40	0.60

HOSE STRAP FASTENERS



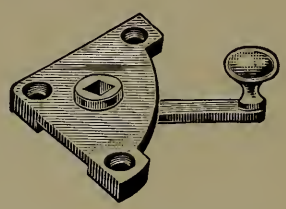
F-760.

½ to 1 inch, each	$0.50
1¼ to 2½ inch, each	.75

HYDRANT FITTINGS.

F-761.—(FOR COMPRESSION COCKS.)

Brass, per doz..... $5.00
Malleable Iron, per lb..... .15



F-762.—(TRIANGULAR GUIDE.)

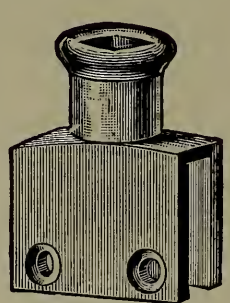
Per doz..... $8.00

ROD HANDLES.

F-763.

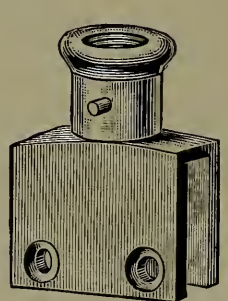
Brass, per doz..... $6.00
Malleable Iron, per doz..... 2.00

HYDRANT CLAMPS.



F-764.

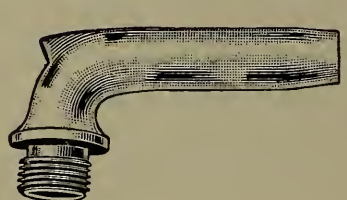
Brass, ½ and ⅝-in., per doz..... $2.50
" ¾ " 1-in. " 3.50
Malleable Iron, per lb..... .15



F-765.—(TAPPED FOR IRON PIPE.)

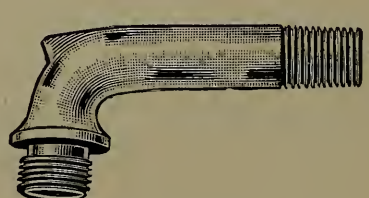
Malleable Iron, Tapped for ⅜-in. Pipe, per lb..... $0.18
Malleable Iron, Tapped for ½-in. Pipe, per lb..... .20

HYDRANT NOZZLES.



F-766.—(FOR LEAD PIPE.)

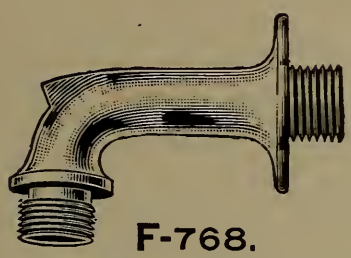
	½	¾	1-in.
Per doz.....	$6.00	7.50	9.00



F-767.—(FOR IRON PIPE.)

	½	¾	1-in.
Per doz.....	$7.00	8.50	10.00

HYDRANT FITTINGS.



F-768.

HYDRANT NOZZLE,

FOR IRON PIPE WITH FLANGE.

	½	¾	1-in.
Per doz.	$8.00	9.50	11.00

HYDRANT SOCKETS.

F-769.

Brass, per doz.	$2.00
Malleable Iron, per lb.	.15

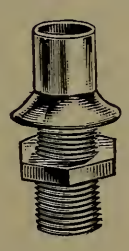
ROD RESTS.

F-770.

Cast Iron, per doz. $0.96

STREET WASHER SCREWS.

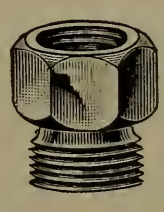
SHORT, FOR LEAD PIPE.



F-771.

	½	¾	1-in.
Short, per doz.	$4.50	5.00	6.00
Long, "	5.50	6.00	8.50

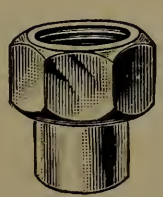
SHORT, FOR IRON PIPE.



F-772.

	½	¾	1-in.
Short, per doz.	$5.00	6.00	7.50
Long, "	6.00	7.00	10 00

GOOSE NECK SCREW.

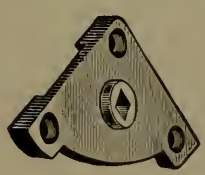


F-773.

½ x ¾-in.	
Per doz.	$5.00
¾ x ¾-in.	
Per doz.	$6.50

GUIDE AND CHECK,

FOR STREET WASHER.



F-774.

Brass, per doz. $3.00

STREET WASHER KEY,

MALLEABLE IRON.

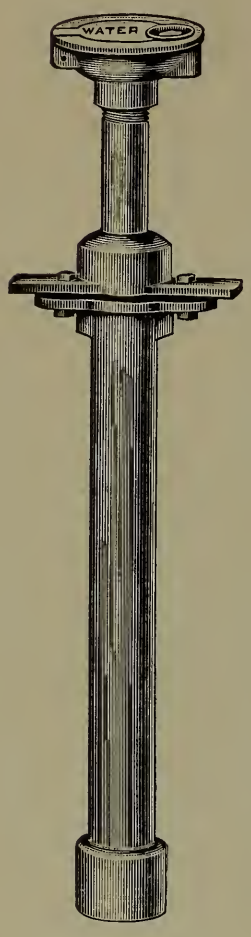
F-775.

Per lb. $0.15

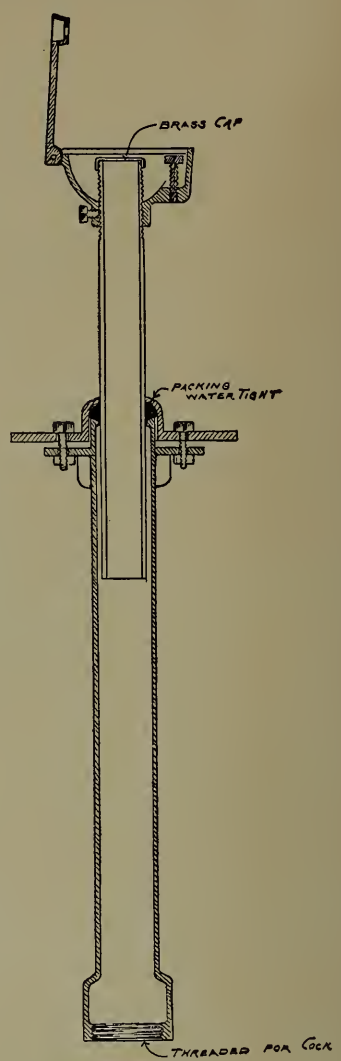
PEERLESS STOP COCK BOX.

MINNEAPOLIS PATTERN.

No. 1	2	ft. to	4	ft.	.....	$2 45
" 1½	2	ft. to	4½	ft.	.....	2 57
" 2	3	ft. to	5	ft.	.....	2 69
" 3	3½	ft. to	5½	ft.	.....	2 81
" 4	4	ft. to	6	ft.	.....	2 93
" 5	5	ft. to	7	ft.	.....	3 17
" 6	6	ft. to	8	ft.	.....	3 41
" 7	7	ft. to	9	ft.	.....	3 65
" 8	8	ft. to	10	ft.	.....	3 89
" 9	9	ft. to	11	ft.	.....	4 13



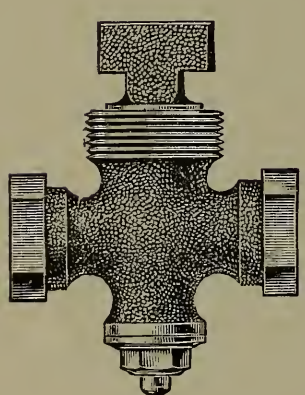
F-787.

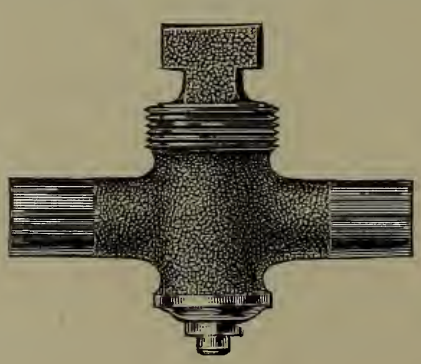


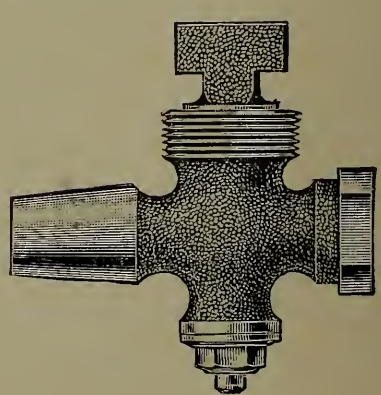
F-788.

MINNEAPOLIS PATTERN STOP COCKS

ADAPTED FOR USE WITH ABOVE.



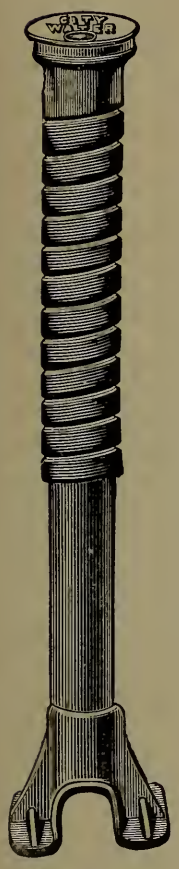




The above style of box as will be noticed by reference to sectional cut F-788 has large stuffing box where upper part of box enters lower section, this allows vertical adjustment and at the same time forms water tight joint. The lower section is tapped to receive the stop cock also forming a tight joint, therefor nothing can enter the chamber which might in any way interfere with the free working of the rod or injuring the stop cock. These boxes will be found well adapted for use in sandy soil or quicksand, on account of its positive joints this box is water, sand or mud tight.

Other styles of stop cocks which can be used with the stop box are shown on pages 19 and 20. When ordering be particular to state what style of stop cock is to be used.

SERVICE OR STOP-COCK BOXES.



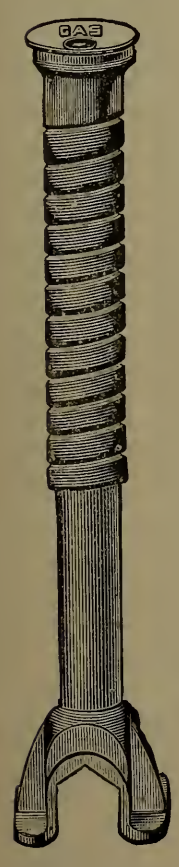
F-790.

F-790. WATER SERVICE BOX—BUFFALO OR MORGAN PATTERN.

Diameter, 2½ inches.

NUMBER.	EXTENSION.	PRICE.
1,	12 in. Stationary,	$0.55
1—A	1 ft. 2 in. to 1 ft. 8 in	.60
2.	1 ft. 4 in. to 2 ft.	.63
2—A	1 ft. 8 in. to 2 ft. 2 in	.65
2½,	1 ft. 8 in. to 2 ft. 6 in	.68
3,	1 ft. 10 in. to 3 ft.	.72
3½,	2 ft. 4 in. to 3 ft. 6 in	.75
4,	2 ft. 8 in. to 4 ft.	.80
4½,	3 ft. 2 in. to 4 ft. 6 in	.83
5,	3 ft. 8 in. to 5 ft.	.90
5—A	3 ft. 2 in. to 5 ft.	.95
5½,	3 ft. 8 in. to 5 ft. 6 in	1.00
6	3 ft. 4 in. to 6 ft.	1.05
6½,	4 ft. 8 in. to 6 ft 6 in	1.10
6½—A	3 ft. 8 in. to 6 ft. 6 in	1.15
7,	4 ft. 4 in. to 7 ft.	1.20
7½,	4 ft. 8 in. to 7 ft. 6 in	1.25
8½,	4 ft. 8 in. to 8 ft. 6 in	1.30

For Repairs, see page 140.



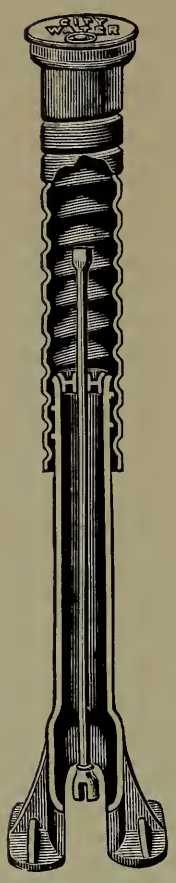
F-791.

F-791. GAS SERVICE BOX (WITH LARGE BASE)

Diameter, 2½ inches for 1, 1½ and 2 inch Service Cocks.

NUMBER.	EXTENSION.	PRICE.
G—1,	1 ft. Stationary	$0.55
G—1—A	1 ft. 2 in. to 1 ft. 8 in	.60
G—1—B	1 ft. 4 in. to 1 ft. 10 in	.61
G—2	1 ft. 6 in. to 2 ft.	.62
G—2—A	1 ft. 4 in. to 2 ft.	.64
G—2—B	1 ft. 4 in. to 2 ft. 2 in	.65
G—2—C	1 ft. 10 in. to 2 ft. 4 in	.66
G—2—D	1 ft. 6 in. to 2 ft. 4 in	.68
G—2½.	1 ft. 10 in. to 2 ft. 6 in	.69
G—2½—A	1 ft. 10 in. to 2 ft. 8 in	.70
G—3.	1 ft. 10 in. to 3 ft. 2 in	.72
G—3—A	2 ft. 4 in. to 3 ft. 4 in	.74
G—3½.	2 ft. 4 in. to 3 ft. 8 in	.75
G—4.	3 ft. 4 in. to 4 ft. 4 in	.80
G—4½,	3 ft. 4 in. to 4 ft. 8 in	.83

For Repairs, see page 140.



F-792.

SERVICE BOXES WITH STATIONARY ROD.

F-792.—FOR WATER OR GAS.

NUMBER.	EXTENSION.	PRICE.
R- 1.	11-inch Stationary	$0.70
R- 2.	1 ft. 2 in. to 1 ft. 8 in	.75
R- 3.	1 ft. 4 in. to 2 ft.	.80
R- 4.	1 ft. 8 in. to 2 ft. 2 in	.85
R- 5.	1 ft. 8 in. to 2 ft. 6 in	.90
R- 6.	1 ft. 10 in. to 3 ft.	.95
R- 7.	2 ft. 4 in. to 3 ft. 6 in	1 00
R 8.	2 ft 8 in. to 4 ft.	1.05
R- 9.	3 ft 2 in. to 4 ft. 6 in	1.10
R 10.	3 ft. 8 in. to 5 ft.	1.15
R 11.	3 ft. 2 in. to 5 ft.	1.20
R 12.	3 ft. 8 in. to 5 ft. 6 in	1.25
R-13.	3 ft. 4 in. to 6 ft.	1.30
R 14.	4 ft. 8 in. to 6 ft. 6 in	1.35
R-15.	3 ft. 8 in. to 6 ft. 6 in	1.40
R-16.	4 ft. 4 in. to 7 ft.	1.50
R-17.	4 ft. 8 in. to 7 ft. 6 in	1.60
R-18.	4 ft. 8 in. to 8 ft. 6 in	1.75
	Combination Keys, each, extra	.35

F-794.

F-795.

F-796.

When ordering be particular to state if for Water or Gas.

For repairs, see page 140.

F-793.

SERVICE BOXES WITH BOTTOM SECTION TAPPED.

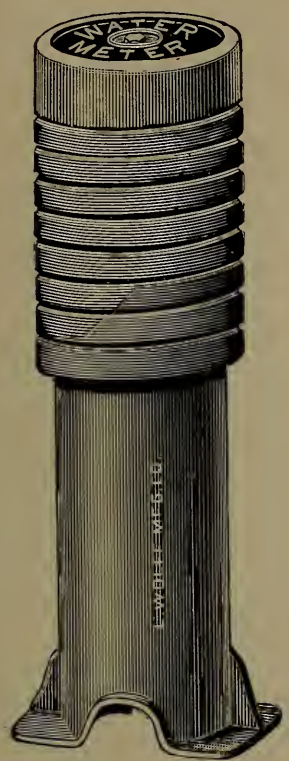
F-793.—TO SCREW ON STOPS AS SHOWN ON PAGE 19.

THEY CAN BE FURNISHED IN ANY OF THE SIZES GIVEN ABOVE. COVERS WILL BE FURNISHED FOR "WATER" OR "GAS" AS MAY BE DESIRED.

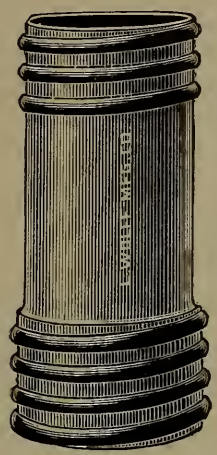
These boxes are particularly adapted for use in sandy soil or quicksand. The illustration, F-793, shows box screwed on our "Minneapolis" Pattern Stop (see page 19) forming a water-tight joint.

PRICES AND FURTHER INFORMATION UPON APPLICATION.

EXTENSION METER BOX.



F-797.—(NO. 173.)



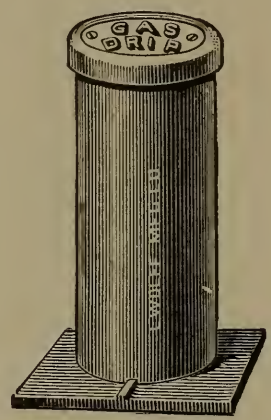
F-798.—(NO. 71.)

F-798. Extension for Meter Box; increases length, 14 inches..... $1.00

F-797. (No. 173.) Extension Meter Box; extends from 2 ft. 4 in. to 3 ft. 2 in..... $2.75

GAS DRIP BOXES.

F-799.—(NO. 178.)

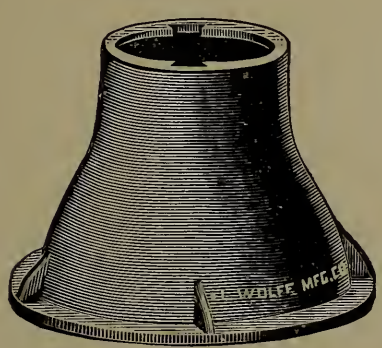


F-800.—(NO. 106.)

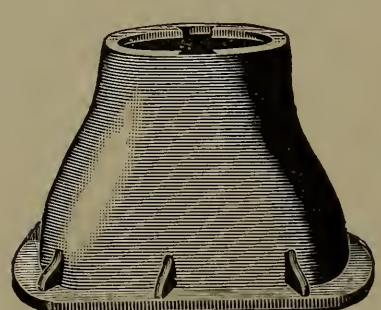
F-799. (No. 178.) Outside Diam. of Head, 9-in., 16-in. long..... 2.25

F-800. (No. 106.) " " " 7-in., 16-in. long..... 1.25

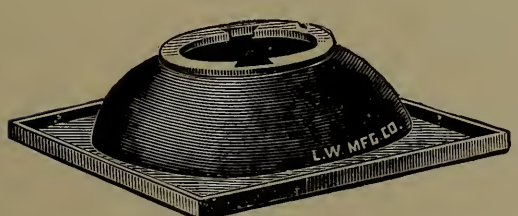
BASES FOR VALVE BOXES.



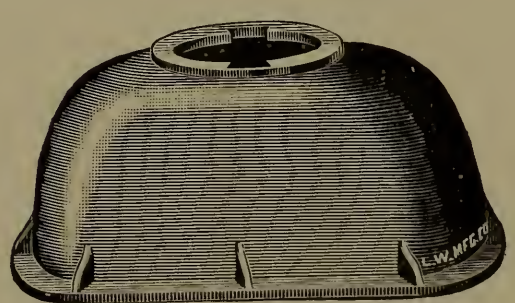
F-801. (NO. 6.)—ROUND BASE.



F-802.—(NO. 6.)—OVAL BASE.

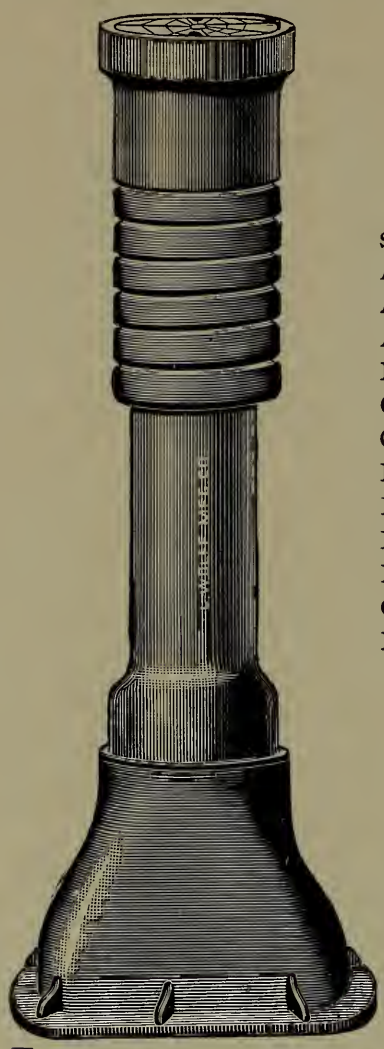


F-803.—(NO. 140.)—ROUND DOME BASE WITH FLANGE.



F-804.—(NO. 160.)—OVAL BASE.

SEE NEXT PAGE FOR DIMENSIONS AND PRICES OF BASES.



F-805.—(VALVE BOX WITH No. 6 BASE.)

EXTENSION VALVE BOXES.

WITH No. 6 ROUND BASE.

5¼-inch Shaft.

SIZE.	EXTENSION.	PRICE.
AAA	Stationary length 1 ft 5 in	$2.45
AA	Extends 1 ft. 10 in. to 2 ft. 4 in	2.85
A	" 2 ft. 4 in. to 3 ft. 4 in	3.00
B	" 3 ft. to 4 ft	3.15
C	" 3 ft. 6 in. to 4 ft. 6 in	3.30
CC	" 4 ft. to 5 ft	3.50
D	" 3 ft. 6 in. to 5 ft. 6 in	3.65
DD	" 4 ft. to 6 ft	3.85
E	" 5 ft. to 6 ft	3.95
F	" 5 ft. to 7 ft	4.10
G	" 6 ft. to 7 ft	4.30
H	" 6 ft. to 8 ft	4.50

NATURAL GAS VALVE BOXES.

FOR 6 AND 8-INCH VALVE.

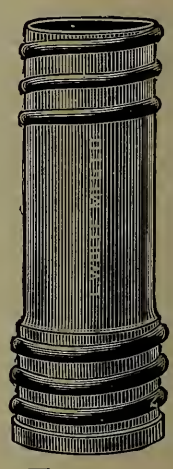
5¼-inch Shaft.

SIZE.	EXTENSION.	PRICE.
AAA	Stationary length 1 ft. 5 in	$2.45
AA	Extends 1 ft. 10 in. to 2 ft. 4 in	2.85
A	" 2 ft. 4 in. to 3 ft. 2 in	3.00
B	" 3 ft. to 4 ft	3.15
C	" 3 ft. 6 in. to 4 ft. 6 in	3.30

No. 58 Extension $0.80

F-806.

F-807.



F-808.

No. 58 Extension. Extension for 5¼ inch Valve Boxes increas'g length 14 inches.

DIMENSIONS OF BASES FOR VALVE BOXES.

No. 6 Round Base, included in above prices, for 6-inch Round Valves or smaller sizes. This is the standard size used in quoting lengths and prices. Dimensions inside: Diameter at bottom, 14⅜ inches; height, 11 inches.

No. 4 Round Base, for 4-inch Valves or smaller sizes, reduces price of Valve Box 25 cents. This is used with either Round or Oval Valves. Dimensions inside: Diameter at bottom, 10⅞ inches; height, 8 inches. With this Base the Valve Box will be 3 inches shorter than with No. 6 Base.

No. 8 Round Base, for 8 inch Round Valves or smaller sizes, increases price of Valve Box 25 cents Dimensions inside: Diameter at bottom, 17½ inches; height 11 inches. With this Base the Valve Box is the same length as with No. 6 Base.

No. 16 Round Base, for 12 or 16-inch Round Valves, increases price of Valve Box $1 50. Dimensions inside: Diameter at bottom. 24 inches; height, 15¼ inches. With this Base the Valve Box is 4¼ inches longer than with No. 6 Base.

No 6 Oval Base. for 6 inch Oval Valves. This is the standard size used in quoting lengths and prices. Dimensions inside: At bottom, 15x11⅛ inches; height, 11 inches. For 4-inch Valves and smaller, use No. 4 Round Base.

No. 140 Dome Base, with Flange 17 inches square. This Base is especially adapted for use where Valves are set near the surface for any Valve up to 24 inches. With this Base, Valve Box will be 6 inches shorter than with No. 6. Price, same as No 6 Base.

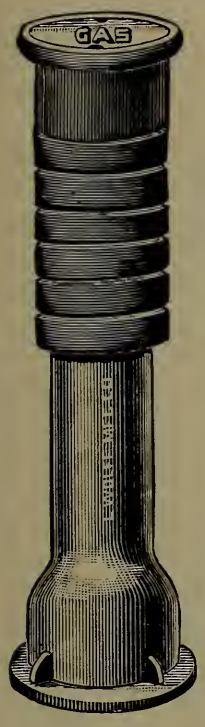
No. 160 Oval Base. for 16 inch Valves or smaller sizes. increases price of Valve Box 35 cents. Dimensions inside: At bottom. 21x12½ inches; height, 9½ inches. With this Base the Valve Box is 1½ inches shorter than with the No. 6 Base.

No. 162 Oval Base, for 24-inch Valves or smaller sizes increases price of the Valve Box $1.25. Dimensions inside: At bottom, 26x16 inches; height, 10 inches.

UNLESS OTHERWISE SPECIFIED, No. 6 ROUND BASE WILL BE SENT.

ROUND HEAD ROADWAY BOXES.

FOR WATER OR GAS.



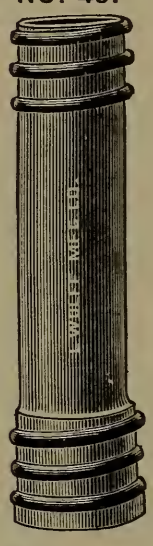
F-809.
(WITH FLANGE BASE.)

Diameter of Shaft, 4¼ inches.

NUMBER.	EXTENSION.	PRICE.
41—Q	1 ft. 6 in. to 2 ft.	$1.85
42—Q	2 ft. 3 in. to 2 ft. 10 in	2.00
42—R	2 ft. 3 in. to 3 ft. 6 in	2.20
43—R	2 ft. 10 in. to 4 ft.	2.30
44—R	3 ft. 3 in. to 4 ft. 6 in	2.40
45—R	3 ft. 10 in. to 5 ft.	2.50

No. 49, Extension Section, to lengthen 18 inches, $1.00

NO. 49.



F-810.
EXTENSION SECTION.

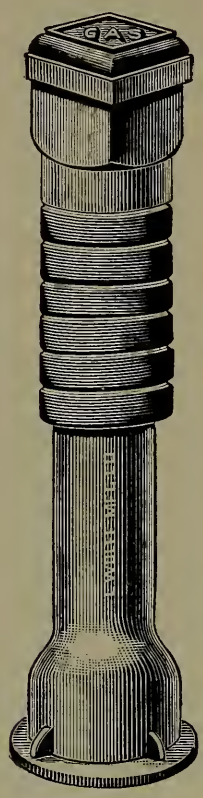
F-811.—(WITH OPEN BASE.)

Diameter of Shaft, 4¼ inches.

NUMBER.	EXTENSION.	PRICE.
141—Q	1 ft. 6 in. to 2 ft.	$1.85
142—Q	2 ft. 3 in. to 2 ft. 10 in	2.00
142—R	2 ft. 3 in. to 3 ft. 6 in	2.20
143—R	2 ft. 10 in. to 4 ft.	2.30
144—R	3 ft. 3 in. to 4 ft. 6 in	2.40
145—R	3 ft. 10 in. to 5 ft.	2.50

No. 49, Extension Section, to lengthen 18 inches. See F-810.

SQUARE HEAD ROADWAY BOXES.



F-812.
(WITH FLANGE BASE.)

FOR WATER OR GAS.

Diameter of Shaft, 4¼ inches.

F-813.
(WITH OPEN BASE.)

NUMBER.	EXTENSION.	PRICE.
41-S..	1 ft. 9 in. to 2 ft. 7 in.....	$1.95
42-S..	2 ft. 3 in. to 3 ft.....	2.10
42-T..	2 ft. 5 in. to 3 ft. 6 in.....	2.20

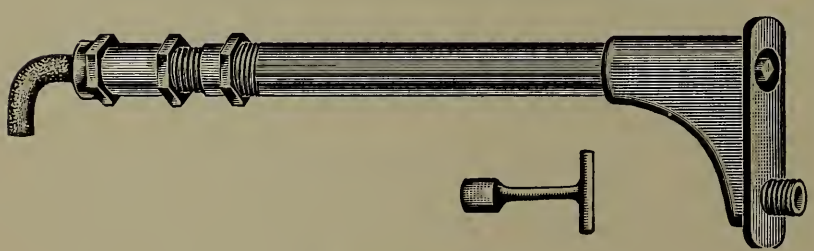
F-812 can be furnished in longer sizes than measurements given.

NUMBER.	EXTENSION.	PRICE.
137....	12 in. long.....	$1.65
138....	16 in. long.....	1.75
140-U..	1 ft. 6 in. to 2 ft.....	1.85
141-S..	1 ft. 9 in. to 2 ft. 7 in.....	1.95
142-S..	2 ft. 3 in. to 3 ft.....	2.10
142-T..	2 ft. 5 in. to 3 ft. 6 in.....	2.20

No. 49, 4¼-in. Extension lengthens F-812 and F-813 18 inches, net 60c.

See page 133.

WALL HYDRANTS.



F-814.

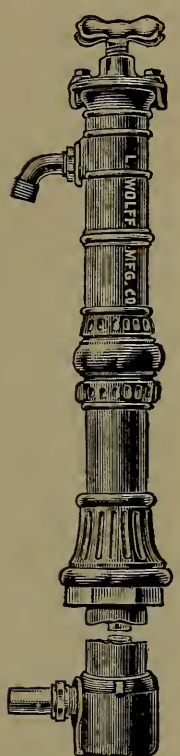
THICKNESS OF WALL.

	9 in.	13 in.	18 in.	24 in.
¾in.	3.50	4.00	4.50	5.00
1 "	5.50	6.00	6.50	7.00

F-814. Wall Hydrant is intended to be placed horizontally in wall of building and jamb nut is provided so that hydrant can be securely fastened to wall, at the same time bringing the flange of the hydrant close to wall making a neat joint. By using this style of fixture the freezing of pipes is obviated, which often occurs with the use of the ordinary sill cock.

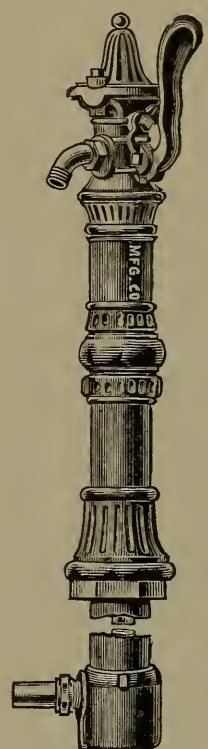
VALVE HYDRANTS AND STREET WASHERS—MURDOCK STYLE.

NEW IMPROVED COMPRESSION AND SELF-CLOSING ANTI-FREEZING; WITH SEDIMENT CHAMBER ATTACHMENT AND GROUND UNION JOINT, FITTED FOR IRON OR LEAD PIPE.



F-816.—(WHEEL HYDRANT.)

F-817.—(STREET WASHERS.)



F-818.—(SELF-CLOSING HYDRANT.)

Thousands of these Hydrants have been in use throughout the United States for the past fourteen years, and have given entire satisfaction.

Recent valuable improvements render this the most complete and durable Hydrant ever invented.

Requires no digging up for repairs. By unscrewing the Nozzle and Top and lifting the Tube from the Stock, on the end of which is the Valve, a new Washer can be put on, which requires little or no mechanical skill. This, however, is not likely to occur in several years.

To set in ground.....	3-ft.	4-ft.	5-ft.	6-ft.
¾-inch **HYDRANT**, each	$10.00	11.00	12.00	13.00
1 " " "	12.50	13.50	14.50	15.50
¾ " " Self-Closing (F-818), each.....	12.00	13.00	14.00	15.00
¾ " **STREET WASHER** (F-817), each.....	8.50	9.50	10.50	11.50
1 " " " each.....	10.00	11.00	12.00	13.00

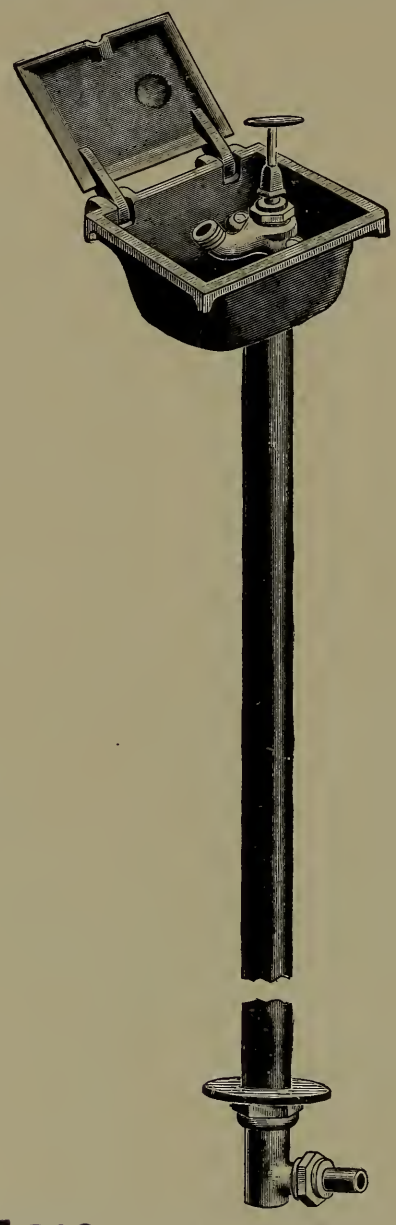
Hydrant Repairs kept in stock.

IN ORDERING BE CAREFUL TO STATE WHETHER FOR IRON OR LEAD PIPE.

For Repairs, see pages 137, 138 and 139

WOLFF'S PATENT STREET WASHER.

SIMPLE, DURABLE, CANNOT FREEZE.



F-819.—(FITTED FOR IRON OR LEAD PIPE.)

To set in ground	3-ft.	4-ft.	5-ft.	6-ft.
¾-inch Street Washer, each	$ 8.50	9.50	10.50	11.50
1-inch " " "	10.00	11.00	12.00	13.00

In ordering be careful to state whether for Iron or Lead Pipe.

These Street Washers are durable, simple in construction and positively cannot freeze, as they waste very rapidly below the frost line. They need no other tool for taking them apart for repairing than a screw driver. No wrench is required. The two Iron Screws are removed, the whole working part can then be readily lifted out. The Iron Screws screw into a Brass Nut, so that it is impossible for them to rust.

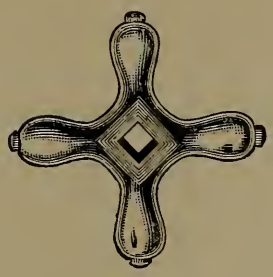
The Valve will never need repairing, more than putting on a simple leather washer, which can be cut out with a penknife.

There is a large Iron Flange at the bottom of the Street Washer, below the frost line, which will not permit of the Street Washer being raised in the ground by frost.

The Square Head for the Key is cast iron, and will not wear out in actual use half as fast as if it were brass; and is so made that it, too, can be easily taken off and renewed, should necessity require.

Each Street Washer is tested at our works, so that we can guarantee every one of them. There are no ground joints to give out by using, and after they are once in the ground they will need no further repairing than to renew the leather washer, when it wears out.

HYDRANT REPAIRS.



F-820.

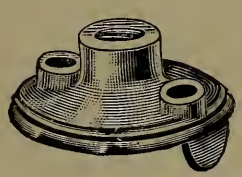
CROSS HANDLE FOR HYDRANT.

For ¾-in. Hydrant..... $0.12

F-823.

HYDRANT SCREW FOR TOP.

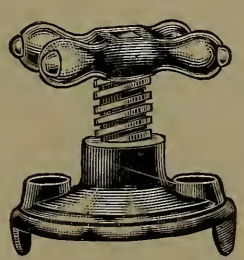
For ¾-in Hydrant..... $0.40



F-827.

HYDRANT TOP.

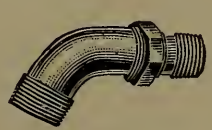
For ¾-in. Hydrant..... $0.25



F-828.

HYDRANT TOP, COMPLETE.

For ¾-in. Hydrant..... $0.75



F-830.

HYDRANT NOZZLE AND LOCK-NUT.

For ¾-in. Hydrant..... $0.30

F-821.

HYDRANT SLIDE.

For ¾-in. Hydrant..... $0.05

F-824.

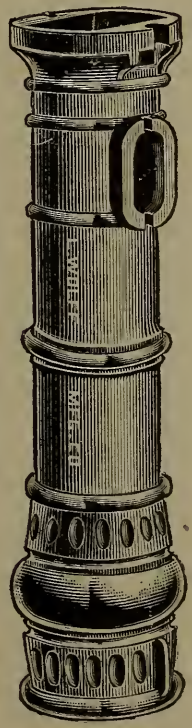
HYDRANT STIRRUP AND "T."

For ¾-in. Hydrant..... $0.25

F-825.

HYDRANT BOLT AND NUT.

For ¾ in. Hydrant..... $0.10

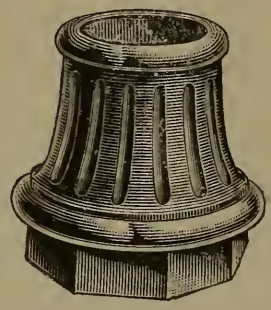


F-831.

HYDRANT STOCK, TAPPED.

13½ in. long, for ¾-in. Hydrant..... $0.60

13½ in. long, for ¾-in. Self-Closing Hydrant.. .60



F-822.

HYDRANT BASE.

For ¾-in. Hydrant..... $0.25

F-826.

LEVER FOR SELF-CLOSING HYDRANT.

For ¾-in. Hydrant..... $0.50

F-829.

TOP FOR SELF-CLOSING HYDRANT.

For ¾-in. Hydrant..... $0.50

F-832.

STIRRUP AND "T" FOR SELF-CLOSING HYDRANT.

For ¾-in. Hydrant..... $0.60

NOTE.—All of above parts will fit the Murdock style of Hydrant formerly sold by us, and as we make them now.

WHEN ORDERING GIVE CATALOGUE NAME AND NUMBER.

HYDRANT AND STREET WASHER REPAIRS.

FOR HYDRANT OR STREET WASHER.

F-834.

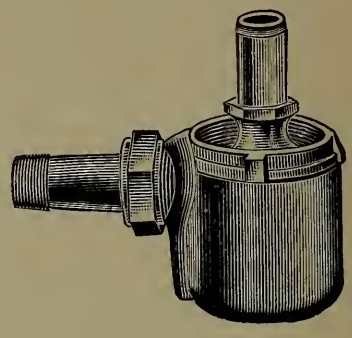
BRASS VALVE BODY (PACKED).

For ¾-in. Hydrant or Street Washer..... $0.75

F-835.

SHOE.

For ¾-in. Hydrant or Street Washer..... $0.10



F-836.

BOTTOM CONNECTION, COMPLETE.

For ¾-in. Hydrant or Street Washer..... $1.35

F-837.

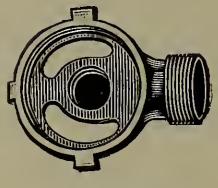
BRASS VALVE STEM.

For ¾-in. Hydrant or Street Washer..... $0.40

F-838.

SHOE GUIDE.

For ¾-in. Hydrant or Street Washer..... $0.10



F-839.

BOTTOM CONNECTION (TAPPED).

For ¾-in. Hydrant or Street Washer, Iron... $0.30
Brass..... .75

F-840.

BRASS TAILPIECE AND COUPLING FOR IRON PIPE.

For ¾-in. Hydrant or Street Washer..... $0.55

F-841.

BRASS TAILPIECE AND COUPLING FOR LEAD PIPE.

For ¾-in. Hydrant or Street Washer..... $0.50

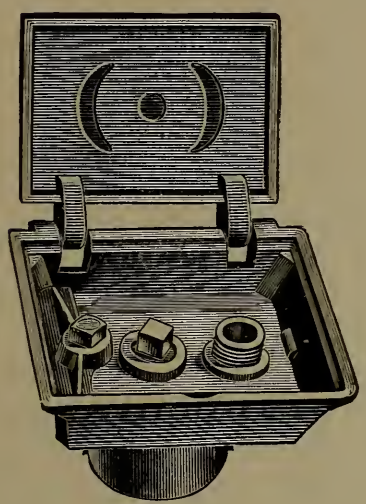
VALVE PACKINGS FOR ¾-IN. HYDRANT OR STREET WASHER.

Cup, Washer and Seat-Leather, per doz. sets (3 to a set)..... $1.50

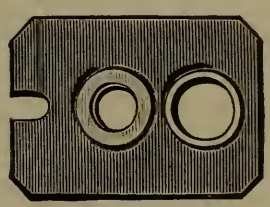
NOTE.—All of the above parts will fit the Murdock style of Hydrant and Street Washer formerly sold by us, and as we make them now.

WHEN ORDERING, BE CAREFUL TO GIVE CATALOGUE NAME AND NUMBER.

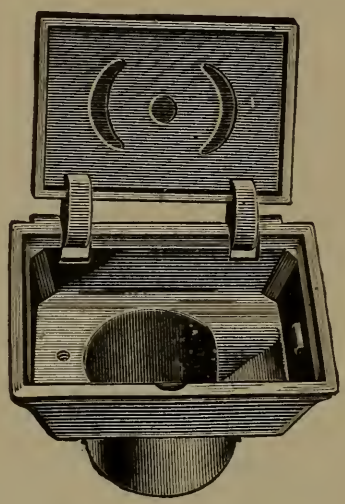
STREET WASHER REPAIRS.



F-842.
¾-in. Street Washer Top, for 2 in. Pipe, complete with Screw, Stirrup, Washer and Bolt.....$1.85



F-843.
Screw Plate (Tapped), for ¾-in. Street Washer....$0.25



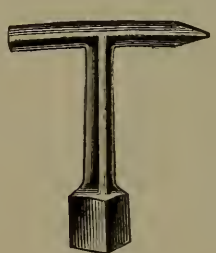
F-844.
Top with Lid for ¾-in. Street Washer.....$0.75
Lid only..... .25

F-845.
Brass Screw for ¾-in. Street Washer.....$0.30

F-846.
Brass Stirrup for ¾-in. Street Washer....$0.50

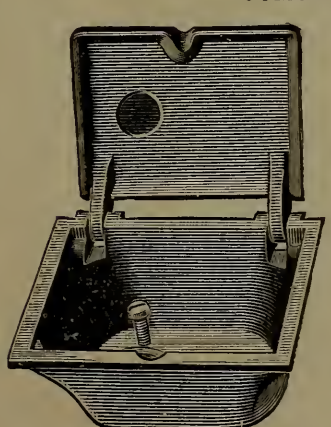
F-847.
Screw Washer.....$0.05

NOTE.—All of above parts will fit the Murdock style Street Washer formerly sold by us, and as we make them now.



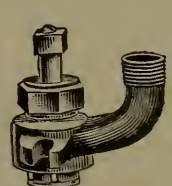
F-848.
Malleable Iron Key, for ¾-in. Street Washer, per doz.....$1.50

REPAIRS FOR WOLFF'S STREET WASHER.



F-849.
Top with Lid, with Brass Screws, for Wolff's ¾ in Street Washer.....$0.50

F-850.
Valve Plunger...$0.30



F-851.
Hose Nozzle, with Cap and Screw $0.50

F-852.
Valve Body.....$0.30

F-853.
Brass Cap.....$0.10

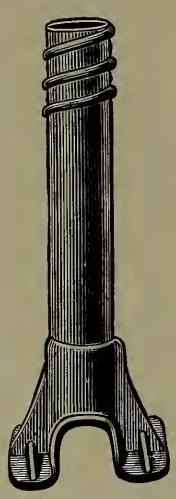
F-854.
Brass Screw.....$0.25

F-855.
Hose Nozzle....$0.30

SERVICE BOX REPAIRS

F-858.

UPPER SCREW SECTION.	PRICE.
For 2½-inch Service Box, 8 inches long	$0.30
" 2½ " " " 12 " "	.35
" 2½ " " " 18 " "	.45
" 2½ " " " 24 " "	.55
" 2½ " " " 36 " "	.70



F-859.—(REGULAR BOTTOM SECTION.)

Price, one-half of complete Box.

F-860.

EXTENSION SECTION.

	PRICE.
No. 151, To increase length of 2½-in. Box, 9 in.	$0.33
" 152, " " " " 2½-in. " 16½ "	.40
" 153, " " " " 2½-in. " 28 "	.50
" 154, " " " " 2½-in. " 36 "	.55

F-861.—(NATURAL GAS BOTTOM SECTION.)

Price, one-half of complete Box.

F-862.

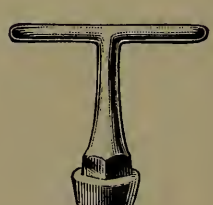
Cover, with Brass Bolt... $0.30

F-863.

Cover, with Brass Bolt... $0.30

F-864.

Brass Bolt, each..... $0.15

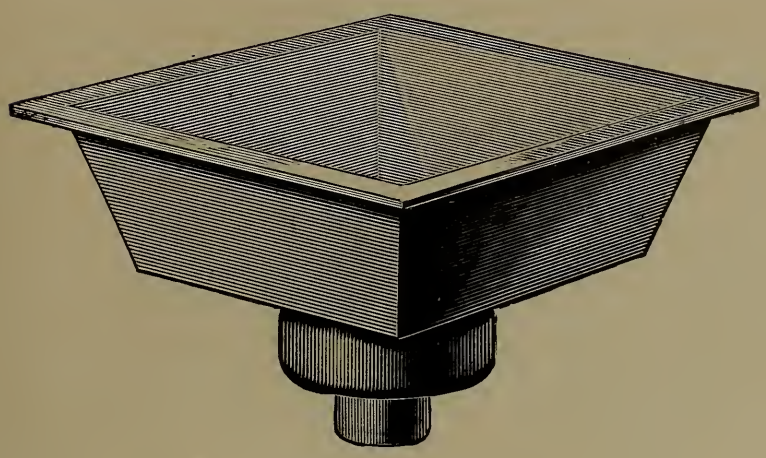


F-865.

Key, each $0.10

Above will fit our Boxes (Buffalo or Morgan Pattern) shown on page 129.

HYDRANT CESSPOOLS.

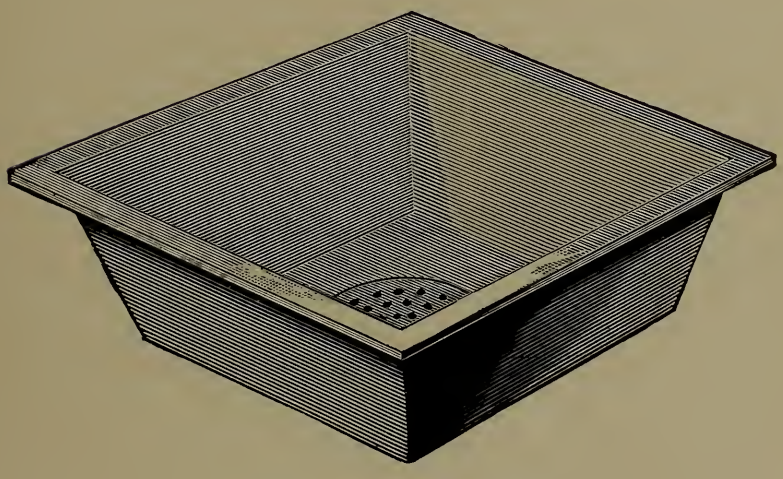


F-1050.—(WITH BELL TRAP, OUTLET IS 2-INCH.)

F-1050.

6 INCHES DEEP.

	Plain.	Galvanized.	Enameled.
12 x 12, each.	$1.50	2.25	3.50
14 x 14, "	1.65	2.50	3.75
16 x 16, "	1.80	2.75	4.25
18 x 18, "	2.10	3.25	5.00



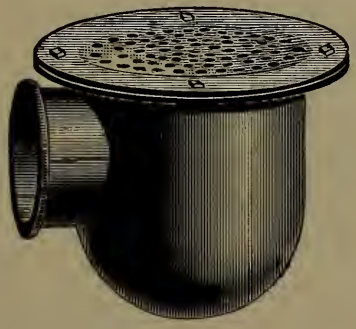
F-1051.

F-1051.

6 INCHES DEEP.

	Plain.	Galvanized.	Enameled.
12 x 12, each.	$1.00	1.50	2.25
14 x 14, "	1.15	1.75	2.75
16 x 16, "	1.30	1.95	3.50
18 x 18, "	1.60	2.50	4.50

WILLETT'S CESSPOOL.



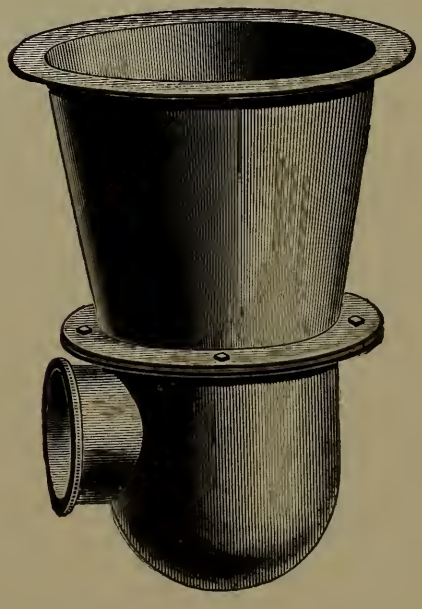
F-1052.—(WITH TRAP.)

Price, each $3.00

" Enameled, each 6.50

Outlet of F-1052 and 1053 is 4-inch.

WILLETT'S CESSPOOL.

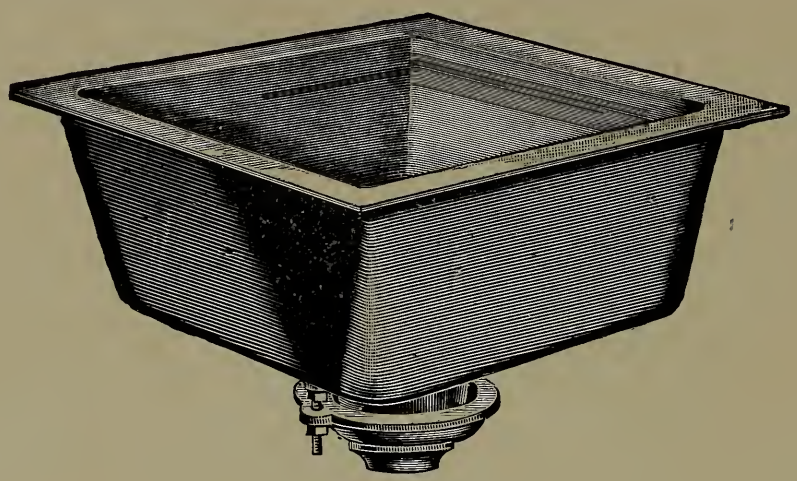


F-1053.—(WITH TRAP AND HOPPER.)

Price, each..... $5.00

HYDRANT CESSPOOLS.

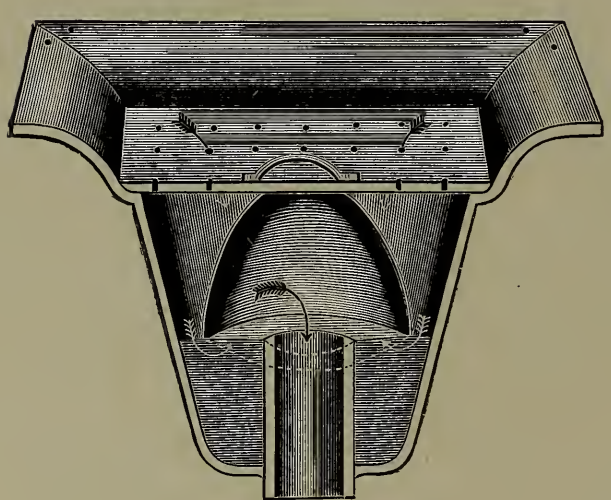
WITH WASTE PIPE CONNECTIONS.



F-1054.

	PLAIN.	GALVANIZED.	ENAMELED.
12 x 12 inches, 6 inches deep, each	$1.00	1.50	2.25
14 x 14 inches, 6 inches deep, "	1.15	1.75	2.75
16 x 16 inches, 6 inches deep, "	1.30	1.95	3.50

SEWER TRAPS.



F-1055.

	PLAIN.	ENAMELED.
16 x 16 inches, each	$2.50	$5.50

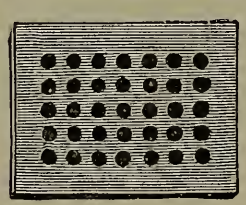
Sewer Traps with Strainers, to prevent the passage of anything except water, and arranged with Inverted Bell underneath, to prevent nauseous gases from arising.

ROUND BAR STRAINERS.

F-1056.

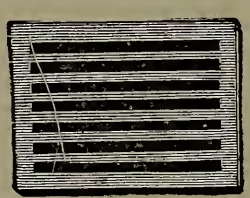
4-inch, each	$0.20
5-inch, "	.25
6-inch, "	.30
7-inch, "	.50
8-inch, "	.65
9-inch, "	.80

CESSPOOL PLATES.



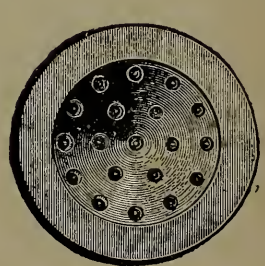
F-1057.

6 x 8 inches, each	$0.50
6 x 6 inches, "	.40



F-1058.

6 x 8 inches, each	$0.50
7 x 9 inches, "	.65
10 x 10 inches, "	.90
10 x 12 inches, "	1.05
12 x 12 inches, "	1.20

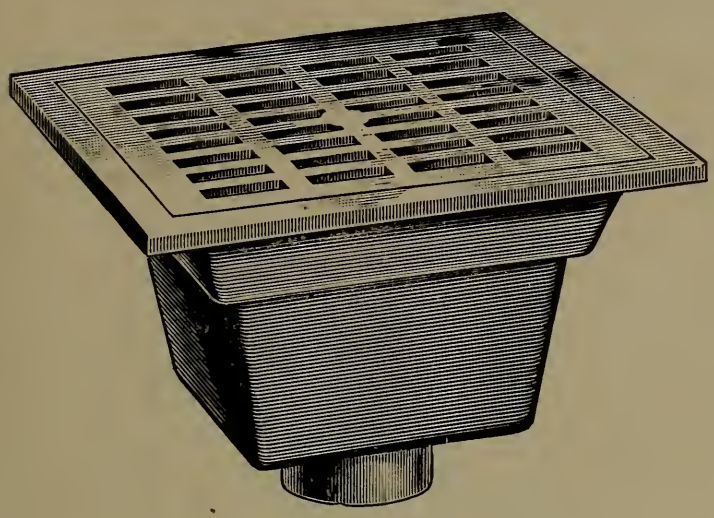


F-1059.

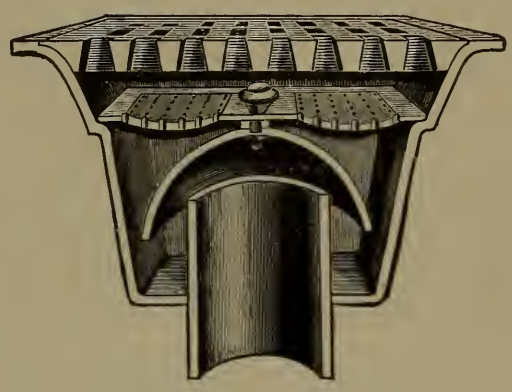
6 inch, each $0.50

LARGE CESSPOOLS.

WITH BELL TRAP AND GRATING.



F-1060.



F-1061

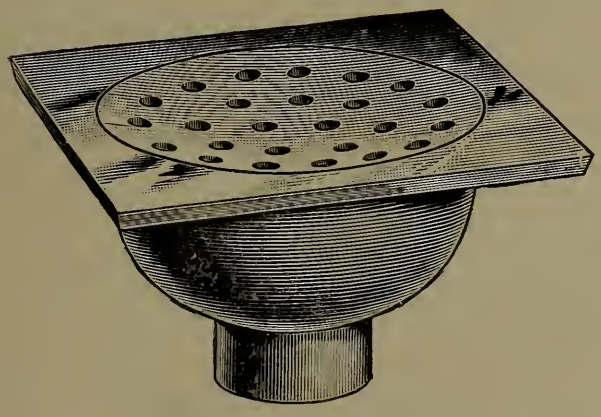
Size, inches.	Painted.	Galvanized.	Enameled.
12 x 12 x 10, each	$3.75	$ 7.50	$ 9.75
16 x 16 x 10. each	4.50	10.00	13.00

18 x 18, Extra Large, see **F-1064,** opposite page.

16 X 16 X 10 inches deep with **POLISHED BRASS** Grate and Top, Galvanized Body.....$40.00

CAST IRON CESSPOOLS.

WITH BELL TRAP.

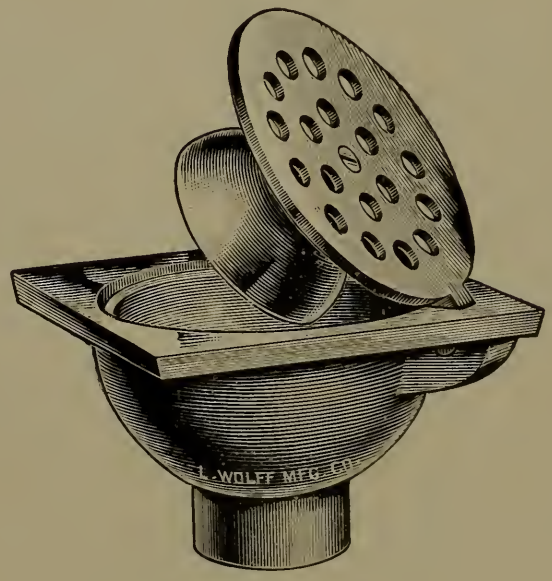


F-1062.—(CAST IRON.)

Cast Iron Cesspool with Bell Trap.

	Standard.	Extra Heavy.
6 x 6 inches	$0.75	....
9 x 9 inches	1.00	$1.50
13 x 13 inches	2.50	3.75

Can also be furnished Galvanized or Enameled.



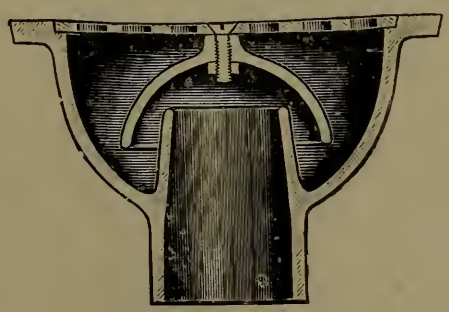
F-1063.

Cast Iron Cesspool with Bell Trap and Hinged Strainer.

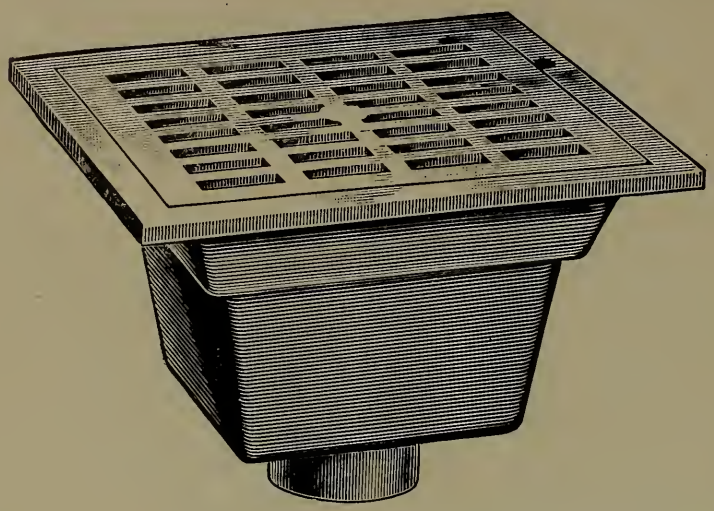
	Standard.	Extra Heavy.
6 x 6 inches	$1.00	....
9 x 9 inches	1.35	$1.85
13 x 13 inches	3.00	4.25

For Iron Pipe Thread add for 6 in., $1.00; for 9 in., $1.25; for 13 in., $2.25.

When ordering state if **MALE** or **FEMALE** Thread.



SECCTIONAL CUT OF F-1062 AND 1063.



CAST BRASS AND IRON CESSPOOLS.

F-1064.

EXTRA LARGE CESS POOL, WITH BELL TRAP, FOR BREWERIES, STABLES, ETC.

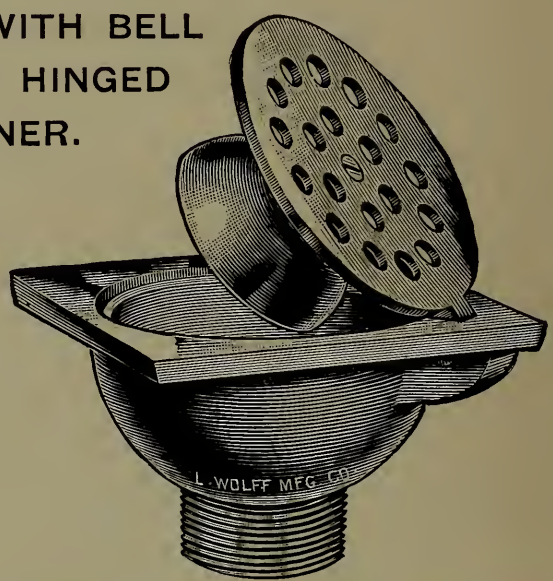
Size, 18 x 18 x 10 inches deep with 6-inch outlet.

	Painted.	Galvanized.	Enameled.
Price.....	$10.00	$20.00	$25.00

CESSPOOLS WITH BELL TRAP AND HINGED STRAINER.

F-1065.—(CAST BRASS.)

	Brass.	Nickel Plated.
6 x 6 inches, each.....	$ 3.50	$ 4.25
9 x 9 inches, each.....	8.00	9.75
13 x 13 inches, each.....	15.00	17.00

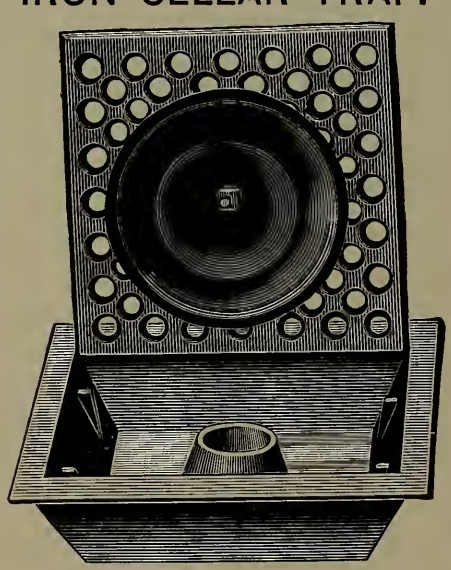


F-1066.—(CAST BRASS.) IRON PIPE THREAD.

	Brass.	Nickel Plated.
6 x 6 x 1½ inch Thread ...	$ 4.25	$ 5.00
9 x 9 x 3 inch Thread ...	9.00	10.75
13 x 13 x 4 inch Thread ...	16.50	18.50

Above can be furnished with Inside Thread at same price.

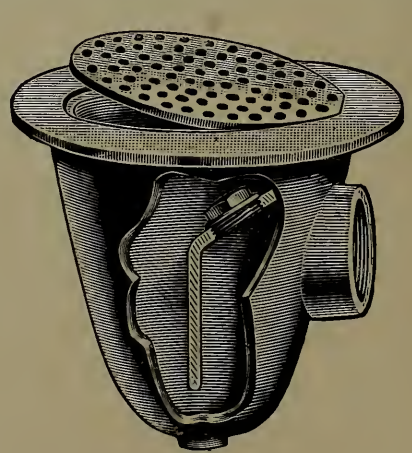
IRON CELLAR TRAP.



F-1067.—CAST IRON.

9 x 9 in., each, Painted..	$1.25	Galv..	$2.50
12 x 12 in., each, Painted..	1.60	Galv..	3.25

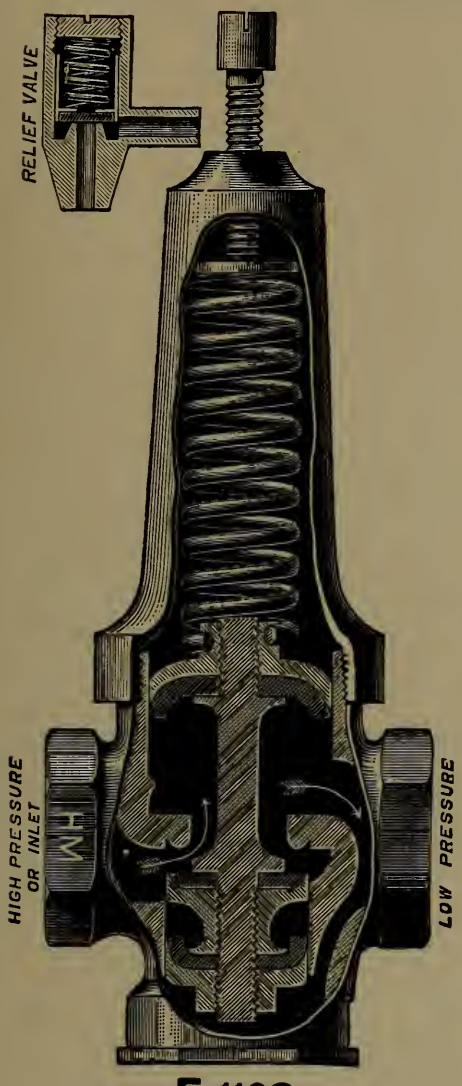
FLOOR DRAIN WITH TRAP.



F-1068.—CAST BRASS.

Price, each, Brass.....$7.00 N. P.....$8.00

MUELLER'S AUTOMATIC WATER-PRESSURE REGULATOR.



F-1163.

Each, for ¾-inch Iron Pipe.	$10.00	For Lead Pipe..	$10.50
Each, for 1 -inch Iron Pipe..	13.00	For Lead Pipe..	13.70
Each, for 1¼-inch Iron Pipe..	17.50	.....	
Each, for 1½-inch Iron Pipe..	24.00	.....	
Each, for 2 -inch Iron Pipe..	40.00	.....	

EVERY REGULATOR WARRANTED.

Prices for larger Regulators furnished on application.

This cut is the full half size of a ¾-inch Regulator, screwed for Iron Pipe. This Regulator can be set at any pressure desired in a building, and it will maintain the same regardless of the highest pressure in the street main. A Relief Valve is provided with each Regulator, for expansion of hot water, where a Boiler is used in the building.

F-1164.

LOW REDUCING WATER REGULATORS.

PATENTED.

Size..... inches	½	¾	1	1¼	1½	2	2½
For Iron Pipe, ea.	12.00	12.00	15.00	20.00	28.00	46.00	63.00
For Lead Pipe, ea.	12.50	12.50	15.70	....	....	....	....

A demand has been created for a very Low Reducing Water Regulating Valve, and we have successfully placed on the market a valve which has been vigorously tested under many conditions and has given the highest satisfaction. This valve will reduce any high water pressure to a low pressure and as low as zero.

To insure its successful operation of working under a very low pressure, when ordering, give the approximate pressure on inlet side and the pressure wanted on outlet side.

L & G

PLUMBERS' TOOLS.

TRIMO PIPE WRENCH.

F-1213.

F 1213

PRICE LIST.

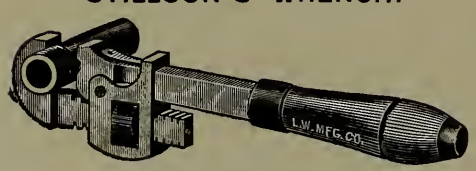
Length, open—Inches	6	8	10	14	18	24	36	48
Takes from.....	⅛-in. wire to ½-in. pipe	⅛-in. wire to ¾-in. pipe	⅛-in. wire to 1-in. pipe	¼-in. wire to 1½-in. pipe	¼-in. wire to 2-in. pipe	¼-in. wire to 2½-in. pipe	½-in. pipe to 3½-in. pipe	1-in. pipe to 5-in. pipe
Price.....	$2.00	$2.00	$2.25	$3.00	$4.00	$6.00	$12.00	$18.00
1. Jaw.....	.67	.67	.75	1.00	1.33	2.00	4.00	6.00
2. Nut.....	.20	.20	.27	.35	.42	.50	.65	.80
3. Inserted Jaw..	.25	.25	.33	.50	.55	.65	1.00	1.25
4. Frame	.25	.25	.33	.45	.55	.65	.75	1.00

IN ORDERING PARTS STATE THE SIZE OF WRENCH.

All sizes to 36-in. packed in wood boxes of ½ dozen.
36 and 48-in. packed in wood boxes of ⅙ dozen.

NOTE—When ordering parts for Wrenches state whether for Trimo or for Trimo A. The name is stamped on each handle.

STILLSON'S WRENCH.



F-1214.

Takes Pipe from	⅛ to 1	¼ to 1½	¼ to 2	¼ to 2½-in.
Length, open, ins.,	10	14	18	24
Each.....	$2.25	3.00	4.00	6.00
Jaws, each.....	.75	1.00	1.33	2.00
Frame, each.....	.33	.45	.55	.65
Nuts, each.....	.27	.35	.42	.50

GAS PLIERS.

F-1215.—(BLACK HANDLE.)

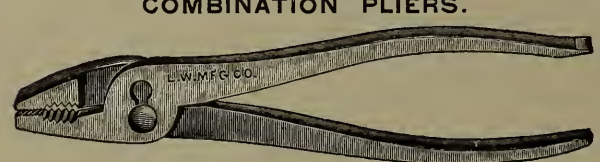
	8	9	10	11	12-in.
Per doz....	$12.00	14.00	15.00	16.00	18.00

BURNER PLIERS.

F-1217.

Polished, 5-inch, per doz.....$8.00
" 6-inch, " 9.00
Add for Nickel Plating, per doz., net..... 1.00

COMBINATION PLIERS.



F-1218.

6-inch, Nickel Plated, each.....$1.25
10-inch, " " " 1.75

HAYDEN PIPE WRENCH.

F-1216.

No. 2, 10-inch for ½, ¾ and 1-inch Pipe, with one Clamp, each $2.50
Additional Clamps, each..... .50

No. 3, 18-inch for 1¼, 1½ and 2 inch Pipe, with one Clamp, each 5.00
Additional Clamps, each..... 1 00

BUZZELL'S PATENT BASIN WRENCH.

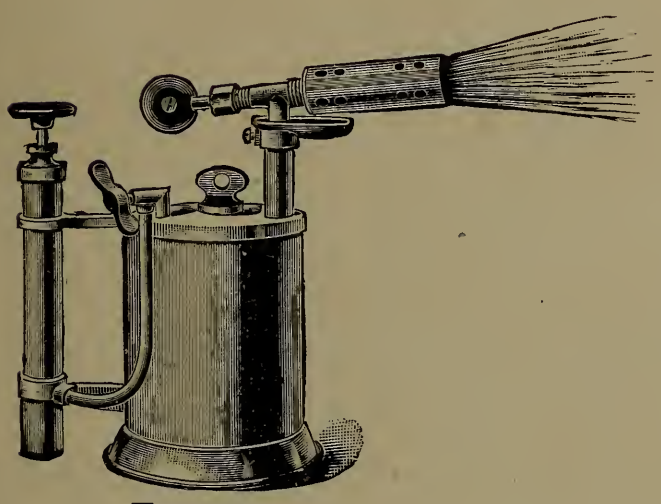
F-1219.

Per doz.....$22.00

BILLINGS PIPE BENDER.

F-1238.

	1	1¼	1½	2-in.
Each	$0.35	.50	.70	.90
Set of above sizes	2.40			



F-1239.

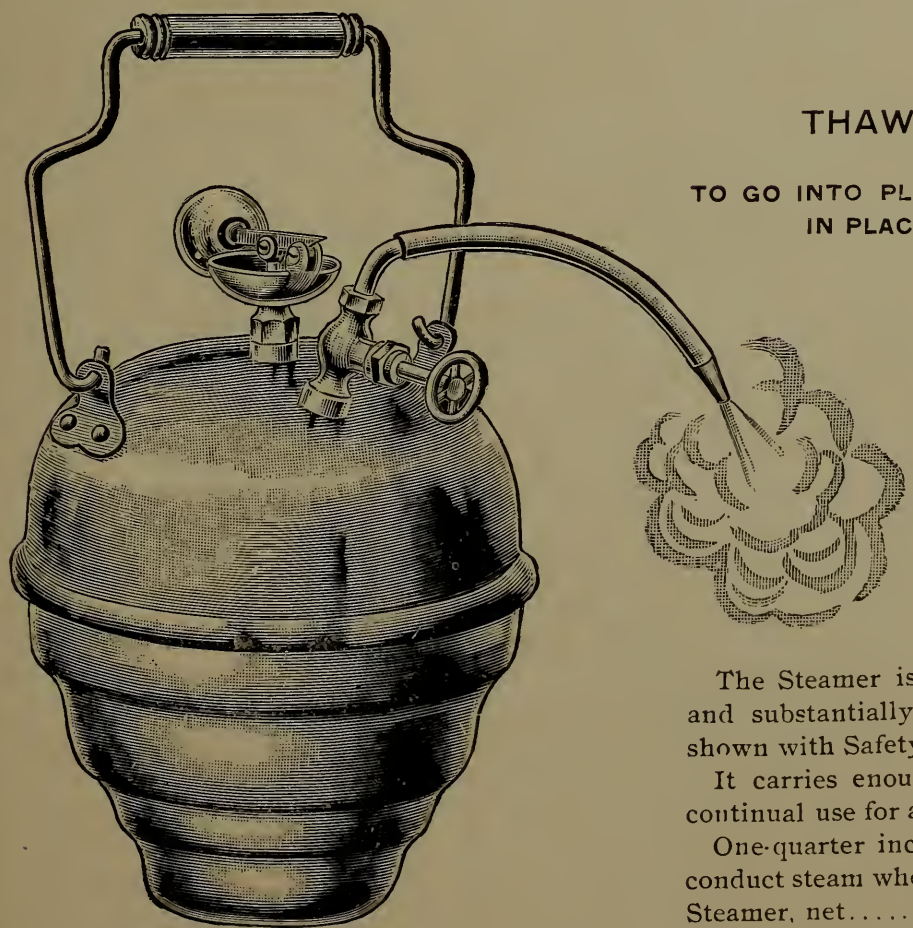
IMPROVED BLOW PIPE OR TORCH.

FOR PLUMBERS, GAS FITTERS, ELECTRICIANS, STEAM FITTERS, CORNICE MAKERS, BELL HANGERS, ETC.

TO START FLAME, open burner pin enough to half fill cup with oil, then shut it off and light cup, and when nearly out, open burner to the desired flame.

THE BLAZE can be graduated after burner is heated, from two feet of fearfully intense solid fire down to a delicately pointed blue blaze, half an inch in length.

Price, each $6.00



F-1240.

THAWING STEAMER

TO GO INTO PLUMBERS' BLAST FURNACE IN PLACE OF SOLDER POT.

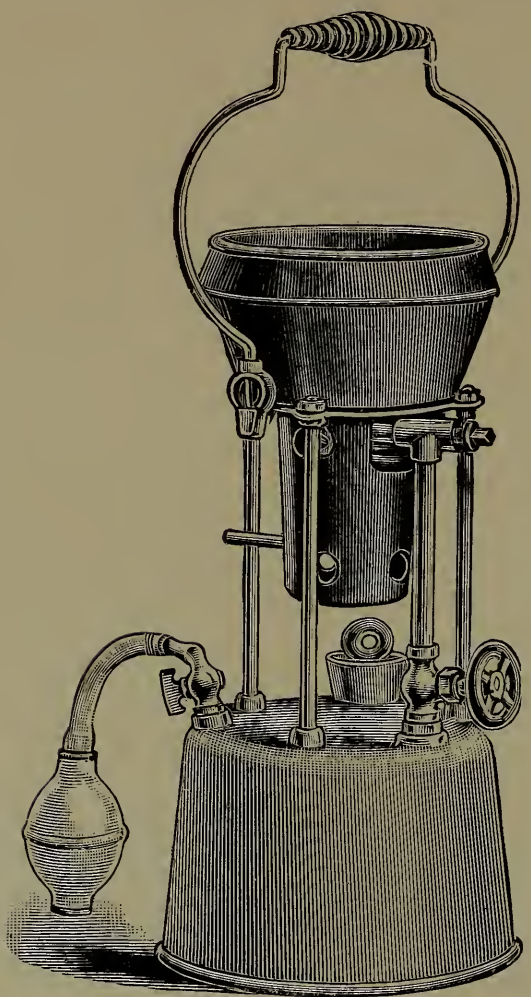
The Steamer is of heavy copper, and is well and substantially made. It is furnished as shown with Safety Valve and Filling Cock.

It carries enough water to raise steam for continual use for about two hours.

One-quarter inch Hose to go on Pet Cock to conduct steam where needed.

Steamer, net $5 00

Hose, extra, per foot ..... .09



WOLFF'S IMPROVED PLUMBERS FURNACES.

F-1241.

WOLFF'S IMPROVED PLUMBERS FURNACE

HAS DRAWN STEEL RESERVOIR--
Heavily Galvanized.

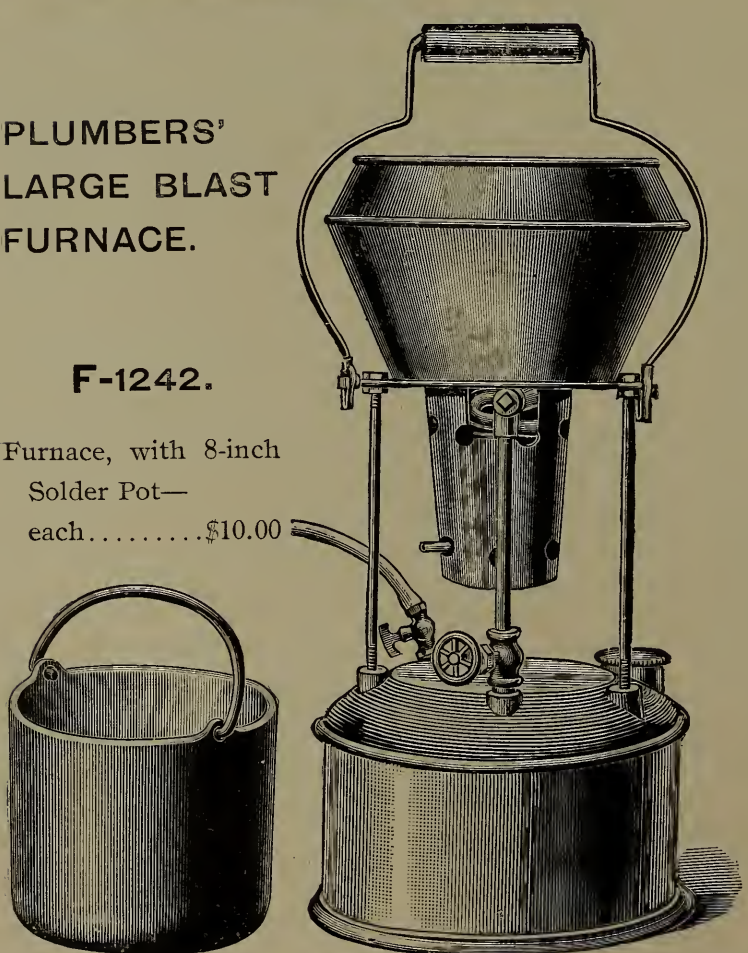
DRAWN STEEL COIL CUP.
WROUGHT STEEL BOTTOM.
PATENT WIRE HANDLE.
IMPROVED FILLING PLUG.
SAFETY AIR COCK JOINTS.
NO CAST-IRON PARTS.

It weighs less than any other Furnace now in use.

PRICE, EACH.....$6.00

In placing on the market

WOLFF'S IMPROVED PLUMBERS FURNACE,



PLUMBERS' LARGE BLAST FURNACE.

F-1242.

Furnace, with 8-inch Solder Pot—
each.....$10.00

We have fully succeeded in producing:

THE BEST FURNACE MADE.

Most perfect in every detail. Of the highest efficiency. In operation, positive and reliable. Of substantial construction; combining lightness, strength and durability, at no more cost to the trade than the old style.

All component parts are interchangeable, being accurately made and fitted before shipment.

REPAIRS:--Regular Repairs shown on next page will fit our **"IMPROVED FURNACE."**

REPAIRS FOR PLUMBERS' BLAST FURNACE.

HANDLE.

15c.

HANDLE EAR.

4c.

ELL.

4c.

TEE.

4c.

PLUG.

4c.

OLD STYLE FILLING SCREW.

10c.

FILLING SCREW FOR WOLFF'S NEW STYLE FURNACE.

10c.

RUBBER BULB.

30c.

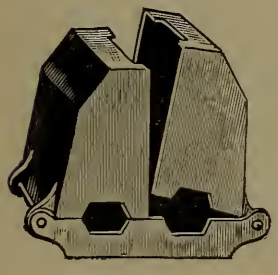
AIR COCK.

25c.

AIR PIPE.

15c.

SHIELD FOR TWO SOLDERING IRONS.



75c.

BRASS NUTS.

For Coil Cup, 1c. each. For Rod, 1c. each.

BURNER.

10c.

COIL WIRE.

5c.

COIL.

25c.

UPRIGHT.

6c.

VALVE STEM.

15c.

CONNECTING PIPE.

8c.

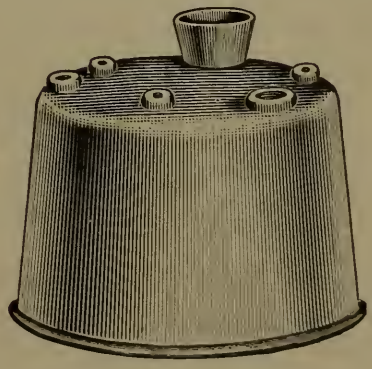
VALVE HANDLE.

5c

VALVE.

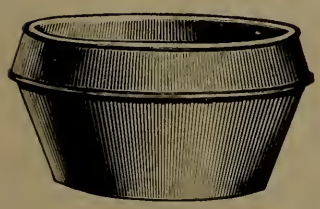
30 c.

RESERVOIR.



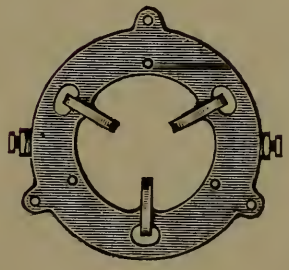
$1.50

SHIELD NOS. 1 AND 2.



35c.

TOP PLATE.



15c.

COIL CUP.

25c.

NOTE: Any of the above parts will fit our OLD OR NEW STYLE FURNACE.

JUN 13 1900

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